



Agenda

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SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL - 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM
TUESDAY, DECEMBER 10, 2013
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 NOVEMBER 5, 2013 WATER CONSERVATION COMMITTEE MEETING
6. CONSENT AGENDA
 - A. WATER CONSERVATION EDUCATION & OUTREACH: EVENTS UPDATE (Laurie Trevizo)
 - B. UPDATE ON 3RD PARTY SURVEYS (Laurie Trevizo)
 - i. RESIDENTIAL END USE WATER SURVEY
 - ii. DEMAND ELASTICITY

DISCUSSION ITEMS:

7. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE (Rick Carpenter)
8. INTRODUCTION TO POSAC MEMBERS (Councilor Ives, 20 minutes)

INFORMATIONAL ITEMS:

9. REBATE ANALYSIS (Councilor Ives, 40 minutes)
10. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives, 60 minutes)
 - A. GROUP #4- REESTABLISH TREND OF NET ANNUAL REDUCTIONS IN PER CAPITA WATER USAGE AND IDENTIFYING LARGE WATER USERS (12 minutes)
 - B. GROUP #5- DOMESTIC WELLS WITHIN THE CITY LIMITS (12 minutes)
 - C. GROUP #1 – WATER CONSERVATION & DROUGHT MANAGEMENT PLAN UPDATE (12 minutes)
 - D. GROUP #2- WATER CONSERVATION EDUCATION/OUTREACH (12 minutes)
 - E. GROUP #3- PROMOTE OUTDOOR WATER CONSERVATION (12 minutes)

MATTERS FROM STAFF:

11. APPROVED 2014 MEETING CALENDAR

MATTERS FROM COMMITTEE:

NEXT MEETING – TUESDAY, JANUARY 14, 2014:

CAPTIONS: December 27, 2013 @3 pm PACKET MATERIAL: January 3, 2014 @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.

**Index Summary of Minutes
Water Conservation Committee
December 10, 2013**

<u>INDEX</u>	<u>ACTION TAKEN</u>	<u>PAGE(S)</u>
Cover Sheet		1
Call to Order	Call to Order by Chair Peter Ives, City Councilor's Conf. Room – 4:00 pm	2
Roll Call	Roll call indicated a quorum	2
Approval of the Agenda The Chair request that Item B be pulled from the Consent Agenda and reported on.	Mr. Wiman moved to approve the agenda as amended, second by Mr. Pushard, motion carried by unanimous voice vote.	2
Consent Agenda	Mr. Wiman moved to approve the Consent Agenda as amended, second by Ms. Randall, motion carried by unanimous voice vote.	3
Approval of Minutes: Corrections: Page 2 – Laurie Trevizo, Water Conservation Officer Manager Page 2 – Caryn Grosse, City Staff Water Conservation Specialist Page 3 - #7, Open Discussion: <i>Utilization of the rebates has increased and the water rates for the City of Santa Fe - now are relatively high. It is unknown if the rebates have increased due to the increase of the water rates.</i> Page 4 - As long as there is an account and it isn't a rented building <i>and otherwise</i> meets the requirements; the city is willing to help. Laurie said that they are looking at hourly readings. It cannot do the city of Santa Fe completely <i>because of the terrain</i> . Page 5: Mr. Roth stated that the Santa Fe Builders Association is focusing on energy consumption and the next code cycle will be driving - towards <i>decreasing</i> water use and scoring conservation more heavily.	Mr. Michael moved to approve the minutes as amended, second by Mr. Roth motion carried by unanimous voice vote.	2-3

**Index Summary of Minutes
Water Conservation Committee
December 10, 2013**

Page 6: The requirement is that they provide signs on the table or <i>note it</i> on the menu.		
Page 9: Laurie announced that they have a new Water Conservation Project Manager <i>Administrator</i> – Rachel Wexler who is working on rebate processing.		
Discussion Items	Informational, no formal action.	4-6
Introduction to POSAC Members	Informational	6-7
Informational Items Rebate Analysis	Informational	7-8
Group Reports Group #4 Group #5 Group #1 Group #2 Group #3	Note that Committee Reports alternate at each meeting. Informational, no formal action taken.	8-12
Matters from Staff	2014 Meeting Schedule	12
Matters from Committee	Mr. Pushard moved to recommend approval of Nancy as a board member, second by Mr. Roth, motion carried by unanimous voice vote, 1 abstention.	12
Next Meeting	January 14, 2014	
Adjournment	There being no further business to come before the Water Conservation Committee, the meeting was adjourned at 6:00 pm	13
Signature Page		13

**WATER CONSERVATION COMMITTEE
MINUTES
TUESDAY, DECEMBER 10, 2013
4:00p.m. – 6:00 p.m.
City Councilor's Conference Room, Santa Fe, NM**

1. **Call to Order** - The meeting of the Water Conservation Committee was convened by Councilor Ives, Chair at 4:00 pm, City Councilors Conference Room, Santa Fe, New Mexico. A quorum was present at time of roll call.

2. **ROLL CALL**

Present

Councilor Peter N. Ives
Melissa McDonald, Vice Chair
Karyn Schmitt
Tim Michael
Giselle Piburn
Doug Pushard
Stephen K. Wiman
Lisa Randall
Bill Roth

Not Present

Grace Perez

Others Present:

Laurie Trevizo, Water Conservation Officer
Caryn Grosse, Water Conservation Office
Nancy Avadesan – Barker Realty, Prospective Member

Fran Lucero, Stenographer

3. **APPROVAL OF AGENDA**

The Chair request that Item B be pulled from the Consent Agenda and reported on.

Mr. Wiman moved to approve the agenda as amended, second by Mr. Pushard, motion carried by unanimous voice vote.

4. **APPROVAL OF MINUTES FROM NOVEMBER 5, 2013**

Corrections:

Page 2 – Laurie Trevizo, Water Conservation Officer Manager

Page 2 – Caryn Grosse, ~~City Staff~~ Water Conservation Specialist

Page 3 - #7, Open Discussion: *Utilization* of the rebates has increased *and* the water rates for the City of Santa Fe - now are relatively high. It is unknown if the rebates have *increased due* to the increase of the water rates.

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Mr. Michael moved to approve the minutes as amended, second by Mr. Roth motion carried by unanimous voice vote.

5. CONSENT AGENDA

Mr. Wiman moved to approve the Consent Agenda as amended, second by Ms. Randall, motion carried by unanimous voice vote.

A. Water Conservation Education & Outreach: Events Update

B. Update on 3rd Party Surveys

1. Residential End Use Water Survey

2. Demand Elasticity

Ms. Trevizo made reference to the memo that was included in the committee packet and noted that it does not differ much from the memo reviewed previously with the exception of the project status. In October, 2013 when Ms. Trevizo attended the Water Smart Conference; she was able to speak with the Alliance for Water Efficiency Director. The Alliance for Water Efficiency was acting in a signatory to this project and they hired Mr. Freier and there were other grant funding commitments and grant funding sources. For example, the City of Santa Fe was funded by the Walton Foundation and therefore we did not pay in to being a participant in this third party study. The researcher made some conclusions and therefore followed a request to remove him from the assignment for this project. The Stakeholders, all seven agencies felt the same way; there were lack of communication issues and data sharing concerns. The City was providing a lot of data but we weren't receiving an analysis. The recent follow up call was to identify how to get the data materialized and a new project manager will be assigned. The Primary Researcher is the Economist and he is staying on the project.

6. DISCUSSION ITEMS

- A. Drought, Monsoon and Water Resource Management Update (Rick Carpenter - telephonically) (Memo dated 11/20/13 included in Packet)

It has been around for approximately 2 years and basically what we do is update on the drought and the monsoon. Mr. Carpenter talked about the additions in the memo; local conditions – Source of Supply Utilization Summary and Upper Santa Fe River/CRWTP. At the request from this committee we have added information on the San Juan Basin. We are in the 3rd year of the most significant drought. The Sept rains and monsoon have helped. Our local reservoirs have benefitted significantly from that. We have about 25-26% storage coming in from that. We are at about 66% and runoff is holding steady at about 2 million gallons in to the reservoir and we have a pretty good snow pack; this is just as of today. The upper level gauge is above 24 inches and it is a very wet snow, the soil is already moist. We are going to get good runoff into our reservoirs. Luckily the September rains and these early snows have helped. The stream flow forecast for the San Juan River Basin is 75% of the 30 year average (1981-2010) for 2013. Heron reservoir is currently at a historic low level of 30%% capacity. The forecasters are starting to think about revising some of their model output, it is not the Rockies on the other side of the divide but at least the San Juan's may actually get a little bit better of a snow pack than we were thinking of in the year. That 30% runoff in the Heron might get better but if it doesn't we will still have some significant issues. We have been running the Buckman wells more than we normally would like too. Mr. Carpenter and the committee followed the description from page 2 table. Mr. Carpenter stated that they are still trying to co-mingle the Buckman well water with the surface water so the temperature of the water doesn't get real, real cold. When it sits in those tanks it is almost at freezing before it goes in to people's meters and we start having frozen meter issues. Unfortunately we are running those wells a little more than we want to, but it is not a lot. The demand is way down, 6 ½ million gallons a day.

Rio Grande Basin – Not much has changed even in the long range forecast. Not too sure how much will come down in native flow, probably at best no more than average.

If we don't get some good snow in the San Juan's, than the San Juan – Chama Project will have curtailed deliveries during the next irrigation season. It isn't necessarily bad for the City of Santa Fe or the Buckman Direct Diversion project because we have stored water in Abiquiu so whatever percentage of our full allocation may show up in Heron. The only issue for us is whether or not there is carriage water, whether that is San Juan-Chama water releases or native Rio Grande that may be or may not be in the water. After those constraints, even if we have diminished the delivery from the Federal Government on that project, because we have stored water we should still be able to produce close to 100% this year and maybe even next year by virtue of the stored water.

Q&A

Mr. Wiman: I see that a lot of the time we are using the Buckman wells because of turbidity and sediment in the river, that shouldn't have been a surprise in the design. Has there been any thought to reconfiguring the design at all regarding pre-filtrations to make sure to capture all the water passing by; both the native flow and the San Juan Chama?

Mr. Carpenter: As far as redesign, I wouldn't say that, we have seen elevated turbidity and sediment more than we would have anticipated during the design phase of the project

due to the severity of the drought and the wildfires. It is a little late to change things around as far as the mechanics of the project is concerned. What we can do is mix and match and plan ahead for the other sources of supply that we have so that we are still able to meet demand. Some of the other things that we can do, is we can always make the decision; what it really boils down to is how badly do we want to handle the solids? From a sediment standpoint and what the sand separators can pull out and what drops out by gravity in the basins at the plant and also if turbidity is high, how much (inaudible) do we have to add which also adds to the solids that come out of the gravity thickness from these two processes? We can handle that, we can go up to 2,000; we can go up to 2,500 ncu in that river if we have to. If we had a catastrophe on another source of supply, we could do that. It is a matter of how much we want to put that equipment through for maintenance or repair perspective; we can still do it and how much do we want to pay to dispose of the solids. It would be a moderate shift in the paradigm or how we are planning to operate the system as a whole rather than just the specifics of BDD.

Mr. Wiman said that his concern is how much we have been pumping from the Buckman wells this year. Do you know how that compares with last year at this time?

Mr. Carpenter: It is higher because we had one phenomenon that has not shown up until this year and it was what we hope and what we think now, since we have been able to have a good look at it over the last several weeks. We had some sand show up, a sand bar built up right in front of the screens on the diversion structure itself in the river. A very large screen, very hard angular sand, and the origin we are not sure of yet. That sand bar according to all of the geomorphologic modeling we have done was never supposed to show up, but it did. Primarily because of those historic rains that we had in September. That sand bar has primarily cleaned itself out and we are seeing it return back to normal, but through July and August it was mostly turbidity from the monsoon. Because of that sand bar, we were shut down for some weeks completely, and some other weeks, maybe 1, 2 or 3 _____ at the most. Because of that sand, it was clogging up the intake. That sand bar has moved along now, the river is cleaning itself.

Chair Ives: The reservoir levels, you noted that between the two it was at 2,400 ac. ft.

Mr. Carpenter: Between the two we are at about 65%, at anytime between the two storage is at 4500 ac. ft.

Chair Ives: What was our permitted amount in 1929 pre-compact?

Mr. Carpenter: Pre-compact was 1,063 and since then our permitted storage is 5,040 annually.

Chair Ives: Looking at our reservoirs had a huge influx from the monsoonal rains but it didn't look like the other reservoirs, up and down the Rio Grande and Rio Chama fared as well. What is your sense of how far they came back in terms of total storage as a result of the monsoon influx?

Mr. Carpenter: That is the good news and bad news, our local reservoir benefitted a lot. The other reservoirs up and down the Rio from Elephant Butte all the way up to Heron varied quite a bit. Elephant Butte came up about 15% and El Vado for some reason did not come up as much as Abiquiu for example, and then Heron is Heron so we were back to 30%. It was pretty variable, everything was significant. It really bailed us out of what

I think would have been catastrophic and now maybe not so catastrophic up and down the Rio. Of course all the reservoirs are operated differently. Cochiti for example has been releasing water because their legislative mandate is flood control and recreation so they have been releasing water. It is relatively variable from one reservoir to the next and it is hard to compare then because they all have different rules or operating and storing. Generally speaking from Elephant Butte to Heron it is a significant concern that if we don't have at least an average snow pack and run off this year; keep in mind the soil moisture is way up. If we do have an average snow melt we should have at least an average run off. Heron was only 30%.

Q: With Claudia going to the county, who is wearing that hat?

Mr. Carpenter: Rick is at this time. We are down several positions some of which are key positions like Claudia's, offers have been extended to two employees and one will start December 16th and the other December 30th, there will be a significant learning curve.

The Chair asked that the new staff be invited to the January meeting. Mr. Carpenter will be happy to do that. Ms. Trevizo will have a new employee and Mr. Carpenter will have three new employees.

7. Introduction to POSAC Members

Melissa McDonald introduced Anna Hansen, Chair for the Parks Open Space Advisory Committee (POSAC).

A brief introduction noted that POSAC was created in 2007. The first mandate was to assess how to improve the parks and oversee the \$30 million bond for Parks and Trails. POSAC members have worked on this mandate by managing the bond allocation, working on ADA requirements and improvements and new irrigation in the parks. The mandate was very specific as to what needed to be done. POSAC did not oversee the trails; mostly the parks and open space purchases that were taking place. POSAC worked on the 2012 bond and added another \$7 million to augment some of the parks that did not benefit from the 2007 bond money. Southwest Activity Node (SWAN) (acronym for the park that will be built at Tierra Contenta) was a targeted project. It was stated that there are many multi-faceted opportunities that can happen. This was one benefit from the 2012 bond acquisition. Ms. Hansen was appointed Chair in 2013 and Ms. McDonald was appointed to the committee this year as well. All the parks have grown but the staff has not grown for upkeep nor have the resources. One of the ways to contribute is through water conservation now that we have new irrigation systems. There are a lot of opportunities for Water Conservation. The Chair from POSAC would like to have more collaboration amongst committees to work on projects together. She would like to work with the Sustainable Santa Fe Commission. The commission consists of 9 individuals (she listed the name of the members)

Ms. McDonald commented that POSAC welcomed her input immediately and suggested that the Water Conservation Committee and the Water Conservation office need to be a part of their endeavors. There is an opening for the collaborative team to make a change. Ms. McDonald stated that the WCC has not had a Master Plan since 2001; it needs to be updated with a water conservation perspective. We would like to come back and have the Water Conservation Committee input. Ms. McDonald reported that they had a great meeting with Director, Nicholas Schiavo and at that meeting talked about the difficulties that parks has with their water usage and water conservation efforts and that type of thing. Ms. McDonald stated that this was a great

opening to work with the Water Division to look at some of the things that she has been reporting on such as the public benefit rate, or perhaps bulk water buying. Ms. McDonald stated that they are assessing the park water usage. We are probably going to pick 5 parks that are high water parks and really do audits and get our numbers together and go back to the Water Division to discuss. The next POSAC meeting is Tuesday, December 17th at Frenchy's field from 3-5 pm and the WCC is always invited to attend.

Ms. Hansen said that she is in support of a new Master Plan.

Ms. Randall stated that we need to work hand-in-hand, the city has a model and if water conservation is not part of that plan, it is a travesty.

Mr. Roth asked what percentage of water the parks use.

Ms. McDonald: 6% and they are committed to bringing that down.

Chair: How much is included in the reclaim?

Ms. McDonald: The 6% is not included in the reclaim.

Ms. Hansen stated that the water in the reclaim is already committed.

Ms. McDonald noted that Karyn Schmitt and Tim Michael are also working with the POSAC.

8. INFORMATIONAL ITEMS

A. Rebate Analysis – Doug Pushard

A draft is included in the packet today (45 pages). It is close to final, we will incorporate all of 2013 data in an update and hopefully have this done by January, 2014. The current state of the report; framework of the report is done, 2013 will change some of the conclusions and some of the recommendations. The Conclusion section and Executive section are lacking at this time in the present version, but it is known that they will require more attention and detail. Rebate programs have saved us water. We still have lots of room for rebates in the outdoor section. We have done a lot of good noted in the in-door section; we need to do more in the out- door section. We do not look at the rebate in just saving water; we take into consideration the customer and what the outlay that the customer will have to spend in order to implement it and it is different between residential and commercial. When looking at the rebates we have to look at both sides of the equation. A simple one is when we look at cisterns, the rebate we give for cisterns, clearly from the city perspective it saves water when people implement them but the amount of money we are giving, there are very few of them that have been done. Rain barrels: If you look at the number of rebates we have given for rain barrels, we have not given a lot of rebates but there are a lot of rain barrels throughout the city. The whole intent is to modify the behavior from a short term perspective.

Mr. Roth: Did you calculate how much water has been saved? Total city usage per year?

Mr. Michael: 1,250 ac. ft. will be saved for the life of the device.

Total City usage per year is 10,000 ac. ft.

Mr. Wyman: How would you present these findings to the city and plan for future rebates?

Mr. Michael: The on-going rebates will continue to be in effect. In time people may lose interest, some of the rebates are not effective and possibly should be abandoned.

Mr. Pushard: The program is working; we may want to re-evaluate the amount of money we are paying. Mr. Pushard is working with Ms. Trevizo on the outdoor topic and getting commercial businesses to participate. The intent is to have a meeting with Mr. Carpenter and Ms. Trevizo to discuss specific recommendations and bring back to this committee for discussion.

Chair Ives: Thank you for the hard work in doing this analysis. The Chair would like to challenge the committee; "we see how the rebates have impacted the city; how do we use this moving forward." Ideas: If you do this we will give you this benefit. Another approach might be, regulate some of the uses and figure out how people can have funds available for certain items. Chair Ives would like to know what the market penetration is and set a goal on what the market would like to have.

Mr. Roth: It is known that some of these rebates will need to be codified in the future.

Mr. Pushard: Group #3 will report more. Rebate Program is a very effective tool but it also will take a long time to have a high penetration rate.

Mr. Roth: Impact fees, could encourage better behavior as it pertains, to energy and water.

Laurie Trevizo: Thank you to Tim Michael and Doug Pushard; it was a good learning experience as we looked at the history of the programs. Even as a historical document it puts all those pieces that we can refer back to as a resource of information. This information is noteworthy that shows the pros and cons on how to implement a program.

Mr. Pushard said that there will be two sets of conclusions; how they would pertain to the city and how they would pertain to others. Mr. Pushard would like to be on the February meeting agenda.

9. Group Reports Water Conservation Committee Initiatives

A. Group #4 – Re-establish Trend of Net Annual Reductions in Per Capita Water Usage and Identifying Large Water Users – Karyn Schmitt

Ms. Schmitt – Thank you to Tim Michael and Doug Pushard for doing the rebate report; it is good to see the evaluation for all the various things. She reported that they are working with the Parks and other items of concern. The rebate program doesn't cover out-door a lot as discussed earlier nor cisterns, pop up

sprinkler that use lower pressure for higher flow and so forth. We met with Ms. Trevizo today and discussed looking at add-ons that will basically take your regular clock and make it more energy efficient. We are looking at ET controllers and the price is very expensive. When looking at residential as well as commercial, this could work well with the parks and we talked about doing a pilot project and something to talk to POSAC about. That might be an easy thing you put on there and you get a percentage of water right away compared to if they have a setting, this will take it down. We continue to try to figure out how much we've been saving with our efforts is something that we have been working on as a committee for the last couple of years. Ms. Schmitt will be requesting to be on the call for the advanced metering infrastructure system. Basically the RFP has gone out to providers to see what they can offer us in terms of metering; this is not the billing system. This will be a good tool for the homeowner as well as the city to see if all the needs before the firefly was installed. Laurie said that it offers some pieces not all the pieces.

The Chair challenged that presumption and suggested that the city should go out to look at a unit that does everything that it is interested in having done and see if a current manufacture of the various types of units might not be willing to reinvent the wheel for us as part of that process.

Ms. Trevizo showed the Conserve Track which is in the Water Conservation office that controls the data and we wanted to see what comes up that can interface and facilitate all the work that they have to do. One rebate request has quite a few steps and to correlate all of this with our metering and billing system, that is a challenge.

The Chair is working diligently to get a strong IT department with the City of Santa Fe to accomplish so many of the high technology opportunities and challenges we have before us.

Ms. Randall: We are interested in any type of remote reader – we would like to monitor water use on a real time daily basis. Real time watering on all of our lines is what we would like. Lisa said that she would offer the schools for any type of pilot programs for the remote reader.

Ms. McDonald wanted to be clear that there are two RFPs, one for the meters and then a similar RFP for the billing. When you talk about an IT person we need to make sure that these two things are really happening together. I know that Nick Schiavo is aware that they need to happen but doesn't show a strong a strong concern but I think it is really important for everybody to be asking this question. If these two things don't work together we are missing our opportunity. From the Water Conservation Office perspective what we talked about today, is really most effective if the rebates can then go to the water bill and get automatically applied. We need to make sure that all the departments that are important to the billing are addressed. A separate discussion should be held with Ms. Trevizo to assure this is on her list.

- B. Group #5 – Domestic Wells Within the City Limits – Stephen Wiman
Maxine Paul, Graduate of Columbia University, BA in Environmental Science and is a Masters Candidate in water resources at UNM. Mr. Bob Kriger – Architect, Rain Vessels Company which is architecturally sound and aesthetic way to store water. Bob is on the Private Well working group along with Rachel Wexler from the Water Conservation Office. Doug, Grace and Peter who just left; Pete is our secret weapon as he is our hydrologist. Two days after the last Water Conservation committee meeting we had a download from Claudia and the scope of this project, which I believe Maxine may mimic or come close to what Claudia laid out, it is a huge task. My personal interest as a geologist and interest in water conservation is to know the impact of pumping private wells on the regional aquifer. We will work as a group with Maxine as she goes forward with her study. The initial emphasis is to work amongst us on the hydrologic aspects of this, including Peter and our overall committee.

Maxine Paul: The UNM Water Resources Program has a professional project program; my project is not a PhD dissertation. It sounds like it covers a lot of issues but really it is a step back looking at the relative case law that emphasizes issued on domestic wells across the west and Santa Fe. We want to see if it can provide the example of how local ordinances are beneficial and to see if they can address some of the broad concerns on domestic wells. I am working with Claudia Borchert, Mr. Reed Benson at the Law School, Bob Barrens, Director of the Water Resources Program. What am I interested in or if people are interested in talking to me about domestic wells; I am interested in what are the most important problems may they be implementation issues, is it metering that you think is the biggest issue, is aquifer sustainability a strong topic. Does conservation really matter, I am asking for help to determine some of the most specific concerns. Right now there is not a lot of literature on domestic wells in New Mexico. I am looking at writing about 35-page result paper on natural resources. Right now there is not a lot of literature on domestic wells in New Mexico that I can use for a paper.

McDonald: Is this a city and county effort? There are concerns that cross over from the city and the county.

Maxine: The ordinance is going to be the main policy part that the city has done, but the county is necessary to include as a lot of issues are about boundaries as they cross over to the city wells. The county has very little regulation on domestic wells so it won't be difficult to look at both.

Chair: A pleasure to meet you and have you working on this. One of our biggest problems is ignorance; we may know that there are 711 wells across the city registered at the state engineer's office we don't know what the impact is from those wells. Accuracy, are there other wells out there that aren't registered with the city, hydrologist from the river, Marcos Martinez does the water work within the city and he will be a good resource. I would be curious to see if the city at some level could compel people to meter their wells so we would actually have a sense of that. That would be a policy goal, as we simply do not know the answer to those questions. There would be legal concerns through the OSE policy over the last 60 years in terms of domestic wells. The Chair would like to

understand from a policy perspective fully the legal arguments for getting meters in place and from there assess the impact of the problem to figure out the direction we want to take in a realistic manner.

Ms. Wexler: Metering is a requirement of the existing ordinance regarding domestic wells but it is not being enforced.

Chair Ives: The question is whether or not we can compel it. We are interested in any potential changes to the ordinance that would leverage our capacity to gather and track that information and understand it as part of the city's water venture.

Chair: What does state law provide?

Maxine: Comment on metering that has taken place, shows 141 users in the area and they don't end up using that much from their wells, ¼ ac ft. at an average. However, the ordinance has no way to enforce metering so you are getting survey bias. Only people who are interested in reporting are reporting. There is definitely a lack of information. There are restrictions from statute that says they can't mandate or can't enforce metering.

Mr. Wiman will have a meeting tomorrow and collaboration with Maxine will take place from the hydrological perspective to get her started. The city doesn't really know how many wells are within the city limits.

C. Group #1 – Water Conservation and Drought Management Plan Update

Mr. Pushard – Brainstorming session was held, as a follow up to last month's meeting, strategic plan of the drought management plan would include those recommendations. It was the request that the top 5 items be sent to Grace and the request was made again. It would be in the appendix and may not make it to the report. Worked on guiding principals, if you have any comments send them to Grace. Committee will meet in January. The intent is to edit and come back and review the document, February deadline may not be met, hopefully by March.

Ms. McDonald, what is the objective of the 5 goals?

Mr. Pushard: What you would like to accomplish in your working group, for example the parks – conservation strategies. It will go in to the strategic plan which is an appendix of the drought management plan. The plan is not due until the end of next year but it has to go through the public comment path for review.

D. Group #2 – Water Conservation Education/Outreach

Mr. Wiman – gave a presentation to the Realtors, good attendance from the Water Conservation members. Thank you to Nancy for her planning and she will also help to get the committee scheduled again. No feedback at this time. Nancy said that she did get some great questions from the Realtors Association and is assured more questions will result from the Realtor Brown Bag. 10-15 minutes wasn't much time to present.

Ms. Schmitt met with Javier Gonzales, candidate for Mayor who is very interested in having this same presentation. This would be a great Water Conservations presentation for all candidates.

The Chair said he would like to open this up to the public and invite the candidates.

It was recommended that the presentation venue would be good at one of the schools. Lisa will get dates and times for use of the School Board meeting room. Suggestion is to have staff there. Presentation is approximately – 45 minutes with questions. Set up the session for 1 ½ hour. It would be good to have Mr. Carpenter there re: Buckman issues. January is the ideal time.

Laurie suggested that a dry run of the presentation would be good prior to presenting to the brown bag at the Realtors Association.

E. Group #3 – Promote Outdoor Water Conservation

Mr. Pushard - January 9th presentation, an e-mail will be sent to Laurie, Architects lunch, distribute to the committee.

Kim Shanahan is now a member of this working group, agreed to work with the city on the UPC green code, (city plumbing code in 2014) which included purple pipe to be able to bring in to commercial buildings. Purple pipe would be for irrigation, it would be hard to bring it in. Water usage rating system, met on this, agreement to use the state building code and the city building code. Target to drive down water usage in homes but also rewarding, to use the rating system to bring down the impact fees, measure it and reward on the water use. SFCC is also interested in teaming on this effort. American Alliance for Water Efficiency contact is forthcoming. Concept of a base line – is what will be used.

10. MATTERS FROM STAFF

Meeting schedule for 2014 was distributed to the committee.

Introduction of Rachel Wexler, Water Conservation Office – She is working on some rebates and also the poster contest, calendar is still in the works.

Happy Holidays to all!

11. MATTERS FROM COMMITTEE

Melissa McDonald: Future: Tree program, looking at urban trees and runoff and overlays on the index, passive water harvesting, interested in looking at this, working with Bob.

Mr. Pushard moved to recommend approval of Nancy as a board member, second by Mr. Roth, motion carried by unanimous voice vote, 1 abstention.

Ms. McDonald – When we have vacancies on the committee, we should put the information out to the public to invite other candidates. The Chair did explain that in the future an open process will be used.

Presentations: Thank you to Nancy Avadesan; she comes from the Realtor community and has a passion and willingness to work with the Water Conservation Committee, she is an attribute by joining the WCC.

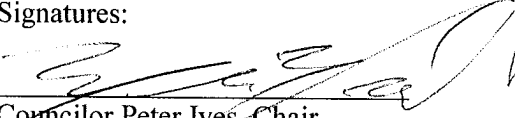
In regards to Senator Peter Wirth's visit to the Water Conservation Committee; is there interest from the committee to write a letter to the State Senator or representatives on what we would like to see them do. The Chair said that this is a follow up item for the next agenda. Ms. McDonald: When would it come out? Draft will be at the next meeting. Ms. McDonald would like to be involved in the process.

12. NEXT MEETING – January 14, 2014

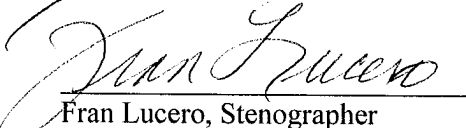
13. Adjourn

There being no further business to come before the Water Conservation Committee, the meeting was adjourned at 6:00 pm.

Signatures:


Councilor Peter Ives, Chair

behalf of PETER IVES


Fran Lucero, Stenographer