



# Agenda

DATE 2/3/14 TIME 2:47m

PREPARED BY Caryn Grosse

REVIEWED BY [Signature]

## SANTA FE WATER CONSERVATION COMMITTEE MEETING

CITY HALL - 200 LINCOLN AVE.

CITY COUNCILORS' CONFERENCE ROOM

TUESDAY, FEBRUARY 11, 2014

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 JANUARY 14, 2014 WATER CONSERVATION COMMITTEE MEETING
6. CONSENT AGENDA
  - A. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE (Rick Carpenter)

### DISCUSSION ITEMS:

### INFORMATIONAL ITEMS:

7. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives 75 minutes)
  - A. GROUP #1 – WATER CONSERVATION & DROUGHT MANAGEMENT PLAN UPDATE (15 minutes)
  - B. GROUP #2- WATER CONSERVATION EDUCATION/OUTREACH (15 minutes)
  - C. GROUP #3- WATER CONSERVATION CODES, ORDINANCES & REGULATIONS (15 minutes)
  - D. GROUP #4- REESTABLISH TREND OF NET ANNUAL REDUCTIONS IN PER CAPITA WATER USAGE AND IDENTIFYING LARGE WATER USERS (15 minutes)
  - E. GROUP #5- DOMESTIC WELLS WITHIN THE CITY LIMITS (15 minutes)
8. REBATE ANALYSIS (Doug Pushard 45 minutes)

### MATTERS FROM STAFF:

### MATTERS FROM COMMITTEE:

### NEXT MEETING – TUESDAY, MARCH 11, 2014:

CAPTIONS: FEBRUARY 26, 2014 @3 pm

PACKET MATERIAL: FEBRUARY 28, 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.

WATER CONSERVATION COMMITTEE  
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**SANTA FE WATER CONSERVATION COMMITTEE MEETING**  
**TUESDAY, FEBRUARY 11, 2014**  
**4:00 PM TO 6:00 PM**

**MINUTES**

**1. CALL TO ORDER**

The meeting was called to order by the Chair, Councilor Peter Ives at 4:00 pm in the City Councilor's Conference Room, Santa Fe, New Mexico.

**2. ROLL CALL**

Present

Councilor Peter Ives, Chair  
Melissa McDonald  
Nancy Avedisian  
Doug Pushard  
Tim Michael  
Giselle Piburn  
Stephen Wiman  
Bill Roth  
Karyn Schmitt  
Lisa Randall

Not Present

Grace Perez, Excused

Others Present

Laurie Trevizo, Water Conservation Manager  
Caryn Grosse, Water Conservation Specialist  
Rick Carpenter, Water Division  
Anna Serrano for Fran Lucero, Stenographer

**3. APPROVAL OF AGENDA**

*Ms. Randall moved to approve the Agenda as presented, second by Mr. Schmitt, motion carried by unanimous voice vote.*

**4. APPROVAL OF CONSENT AGENDA**

No action.

**5. APPROVAL OF MINUTES JANUARY 14, 2014 WATER CONSERVATION COMMITTEE MEETING**

Corrections:

Note that Robert Wood was present at the January meeting.

Page 6 – 2<sup>nd</sup> paragraph, 9<sup>th</sup> sentence: ~~produce~~ use

*Mr. Pushard moved to approve the minutes of January 14, 2014 as amended, second by Mr. Michael, motion carried by unanimous voice vote.*

6. CONSENT AGENDA

A. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE (Rick Carpenter)  
(Report included in packet)

Mr. Carpenter stated that his memo dated January 6, 2014 reported that Herron reservoir was at an all time low of 35% and it is now down to approximately 29%. Shortly after that Mr. Carpenter attended a meeting at the Bureau of Reclamation where they projected the runoff forecast. Mr. Carpenter said that he was surprised at how optimistic they are. Mr. Carpenter believes that they will revise their numbers downward in March from what they have. He believes there will be a serious curtailment in deliveries from the San Juan Chama project this year, estimating 75% of normal. There is still 65% of reservoir at Nichols and McClure. Between what they do get from the San Juan Chama project and the water that is stored plus the water in the reservoirs they should be in fairly good shape; depending on how long the drought lasts.

Mr. Pushard asked if a date has been set for the March meeting and Mr. Carpenter responded that a date has not been set. There are concerns that we will have another fire season in the spring due to the hot, dry and windy season. Mr. Carpenter reiterated that he has hopes they will get water from the San Juan Chama project and with use of the stored water in Abiquiu they could reach 100% this year. It is anticipated that Wild Earth Guardians may intend to sue.

Mr. Wiman asked if WCC could have someone give an update on the model to include climate change data. Mr. Carpenter said that one of the new hires has success and interest in working on that. The new hires were supposed to be at today's meeting; they are William Snyder from the private sector and Andrew Erdmann from the State Engineers office. The two will bring a combined comprehensive skill set. Mr. Carpenter said that as they progress in working with the data for this model they will bring more information to the committee.

Councilor Ives asked; in terms of Texas and New Mexico, related to the 65% capacity in city reservoirs, how many acre feet does that represent and what is the status of that litigation. Mr. Carpenter said that it is a little over 2500 ac. ft., 79 ac. ft of that are pre-compact water rights. They are subject to Article VII. They have had one meeting and they have another one scheduled with the Interstate Stream Commission in the very near future.

Mr. Michael asked for a status on the long range water plan that Claudia Borchert was working on, what is the expected status of a draft on that report. Mr. Carpenter said this is a living report; this report is being worked on. It is an on-going process. The update she worked on was the climate change and work continues.

**DISCUSSION ITEMS:**

None

**INFORMATIONAL ITEMS:**

7. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives 75 minutes)

A. GROUP #1 — WATER CONSERVATION & DROUGHT MANAGEMENT PLAN UPDATE (15 minutes)  
(Report included in packet)

Reference was made to the report in the packet where the working groups were asked to identify what they considered their 5 highest priority programs for the short (1-3 years) or longer (3 – 5 years) term. It was explained that these can be new projects or new enhancements to current ones. The working group would like to put a new chapter; some of the chapters might be in the public document, most of them will probably be in the appendices. It is important to capture what the working group thinking is and what they would like to accomplish. These are not commitments from the working group but more

so ideas that are being worked on. Group 1 is interested in receiving at a minimum the top of 5. It is important to have all working groups represented. Working Group 1 will get together when they have all 5 chapters ready to review. It was reiterated that the priorities be sent in order to bring the list to the next WCC meeting for review.

Chair Ives asked in terms of timing what is projected knowing that there is a 2015 deadline. Ms. Trevizo stated that she believes it will come to this committee in March for review. Some of the reasons why staff has been mulling around with the organization of this plan are that the OSE has put out a new planning guide book and a template on how to do a Water Conservation Plan. Ms. Trevizo stated that she has been trying to marry the two in the sense that they have clear guidelines on how they would like to see it. It is done from the perspective if you have never done a plan before, you need to do the leg work and incorporate it in to the plan. Ms. Trevizo stated that a lot of that has already been done. Some of the organization may be a little different than from when it was first discussed; in conversations with the state they have also had turnover in the Conservation Bureau. Ms. Trevizo will send the link to the committee from the OSE for the guidelines. Please note that it is a template to provide a working sample.

B. GROUP #2 —WATER CONSERVATION EDUCATION/OUTREACH (15 minutes)

Mr. Wiman stated that they have not had a presentation since the Architects meeting in January. The next scheduled presentation is March 6<sup>th</sup> which will be a brown bag luncheon at Santa Fe Association of Realtors. Mr. Wiman said that if there is interest in being a presenter to please attend this meeting to hear the questions that are asked. A list of frequently asked questions has been distributed at prior meetings and Mr. Wiman is happy to send again. Ms. Avedisian has made the arrangements for this meeting. The hopes were to give a presentation to all of the Mayoral candidates but it did not materialize. As a group, a letter was sent out to the candidates saying that if they wanted the Water Conservation Committee would send them the presentation to review. Bill Roth said that he will provide this information to the Home Builders Association. He would like to get them on record. Mr. Wiman commends the Home Builders Association, they are a captive audience.

Chair Ives noted that the election for Mayor is March 4, 2014. Mr. Pushard suggested dates in February, possibly the 20<sup>th</sup> or the 21<sup>st</sup>. Chair Ives suggested February 19<sup>th</sup>. Chair Ives will send out the invitation to the Mayoral candidates for the presentation.

C. GROUP #3 — WATER CONSERVATION CODES, ORDINANCES & REGULATIONS (15 minutes)

Mr. Pushard provided a verbal report. The big issue is the water rating system. They have added another member to the working group, Amanda from the Santa Fe Community College (SFCC). The first action item at the most recent meeting is to come up with the input for the rating system. The working group agreed on the framework and where they will be coming from. The next meeting will be Thursday or Friday of the coming week to draft out the inputs, not how they rank. The hopes are to bring a draft by the March meeting for review. The plan was to get someone from SFCC for the input; also someone has been identified from Green Build Coalition that will team up to try to build the model. The meeting was very spirited on what is going to be input. Realistically it will probably take 2-3 months to come up with a final list that the working group feels good about. Topics are direct water use vs. indirect water use, planting trees vs. not planting trees. Some could argue saving water and some would argue not saving water. The addition of Amanda to the team will add a lot of spirit to the conversation, she will actually engage in many of the questions that need to be engaged in before they get to far down the path. One of the issues is outdoor water use. Right now the discussion is on the path of using square footage of watt and estimate outdoor water use

based on that. It would be creating an outdoor water budget based on lot size. Feedback is welcomed.

Mr. Roth stated that he was at the International Builders Show and spoke with Green Builder Coalition which is a nationwide organization which was established by a gentleman named Ron Jones. In talking to him about this he referred to their technical director; she is an Architect and all sorts of LEAD certifications. They questioned why someone hasn't done this before. There was a presentation from EPA Water Sense; they have a whole budget dedicated to plant types.

Ms. McDonald asked for clarification on the relationship between the city and the committee that is being set up.

Chair Ives stated that the effort is to come up with a relatively simple, critical, evaluative tool that people can use to assess water conservation and use based upon factors that are relevant in our regional area. We want to target people and inform them of water use and create a mechanism to engage people directly.

Mr. Roth stated that in conversations with Ms. Mortimer they are working on revising the code. The city has done a fairly good job with energy so the next big target is water. The city code has been rather lenient and lax on water use. The thought is for this to become part of the tool we use as the energy component in a building permit. Down the way we would like to see this as the water component with the idea if it is a point based system as it is now, you can start driving down water use.

Ms. McDonald stated that this is a good idea but she wants to set up as it is undefined at this point; when we start talking about attributing points to be aware that there are several of these systems being developed in the state. We don't want to lock ourselves in.

Mr. Roth stated that there are many energy rating systems and what has happened nationwide is that it is the only \_\_\_\_\_ approved standard, it has become the defacto standard. It is part of building codes around the country; it has become part of the 2015 Green Building Code. My idea is to have both a prescriptive and performance based.

Further discussions will take place with Ms. Kathryn Mortimer and Ms. McDonald and Mr. Roth for a better understanding.

Mr. Pushard asked the committee if they learn or know of other models to please provide them to the working group and it will be brought back to the committee for review.

D. GROUP #4 — REESTABLISH TREND OF NET ANNUAL REDUCTIONS IN PER CAPITA WATER USAGE AND IDENTIFYING LARGE WATER USERS (15 minutes)

Ms. McDonald referred to Group #4 report included in packet. The group has been following the legislative work with Senator Peter Wirth. They have been following SB16 which is a program for tax credits for rain water harvesting which gives a rebate up to \$5,000 or 20% of the cost of a system. The bill will be heard on February 12<sup>th</sup> at 2:00 pm at the State Corporation and Transportation Committee. OSE did bring up some concerns; how do you monitor it, how do you track it. The working group is still watching how Austin does it. The City and County are in good shape and they have a good process in place. Committee assignments are also listed. Park numbers have been received and the committee is also working on this process. A phone call has been received from Kim Kelly from the Sustainable Santa Fe Commission inquiring about green water rebates. Ms. McDonald suggested that she attend a working group meeting and Ms. Trevizo is also going to attend a meeting of the Sustainable Santa Fe

Commission. Ms. McDonald stated that she likes that there is a cross pollination between committees.

Ms. Schmitt made reference to a recent article in the Albuquerque Journal on the water meters. (Ms. Schmitt will send to Ms Trevizo for distribution). Ms. Schmitt noted that the RFP from the city of Santa Fe has come out. Ms. Trevizo stated that the posting has closed and she will send Ms. Schmitt a copy for review.

Ms. McDonald asked if the bids are open to the public.

Ms. Trevizo said that they are proprietary and are for the review committee only.

Ms. Schmitt asked if there was a timeline set.

Ms. Trevizo answered that there are 5 members on the review committee and she is one of those members. She has read through 50% of the proposals. A meeting is scheduled on Friday, 2/14/14 to make the first cut. Ms. Trevizo will keep the WCC informed and she is a strong advocate of the needs expressed from the WCC.

Chair Ives informed the WCC that Lisa Martinez is the new IT Division Director. The Chair asked that she be kept in the loop on this RFP in particular.

Mr. Roth asked; what is the timeline for any new system going in to effect?

Ms. Trevizo said it normally takes five years as a phased in plan.

Mr. Pushard expressed his thanks to Ms. Trevizo for being on the committee and reiterated their trust in Ms. Trevizo's knowledge of the WCCs objectives are on this subject. On the billing system, one thing Mr. Pushard stated he is not clear on – he would like to see in the billing system an open architecture so third parties can actually plug in to our billing system so our customers can see real time water use and compare to other places.

Ms. Trevizo stated that she did not recall that this was part of the bid. There are portals set up for people to have access to their data and from what Ms. Trevizo understands; there is a possibility to do this in a zip code format. You cannot plug in an address; it does not have that capability. It will do a query; it will compile and provide the data. Ms. Trevizo said that we are light years ahead compared to other municipalities.

Mr. Pushard said that from the billing side it sounds like a selection has been made of a vendor; is it possible to get a presentation.

Ms. Trevizo said that training was done today with the CSRs; they are going through different scenarios on what it can do and not do. They are going back to beta testing and the city will go through an intensive training. We are talking about 6-7 weeks between each interim.

Chair Ives stated that when this is all decided Ms. Trevizo can schedule someone to come in and present to the WCC.

Ms. Trevizo said that if the committee has specific questions to please send them to her. She asked the WCC to keep in mind that this is not her project; she is a member of the review committee.

Mr. Pushard will send an e-mail to Ms. Trevizo with the question; is there an API access to the billing data.

E. GROUP #5 — DOMESTIC WELLS WITHIN THE CITY LIMITS (15 minutes)

It was reported that the working group has not been able to get an appointment with Marcos Martinez from the City Attorney's office and asked Chair Ives if he could intervene and secure some dates that they could meet with Mr. Martinez. Much of the work that is being done is at a halt until the meeting is held. It is the wishes of the working group to have Peter Balue at the meeting; he knows a lot about the city regulations.

Ms. Schmitt reported that she was at the Conservation Water Review committee where they were talking about the Acequia rights and severe situations. This is an area we should follow up on.

8. REBATE ANALYSIS (Doug Pushard 45 minutes)

Mr. Michaels provided (34 page) final draft. It does not include an appendices; it does include an Executive Summary and Overview which details the purpose. Mr. Michael's said that one question is how the rebate program compares as far as saving water compared to other things that the city is doing which is water rates, building codes, etc., this does not answer that question. Mr., Michaels stated that if it helps in any way to accomplish this objective, which is to improve the existing program, we will have accomplished something.

Thank you to Ms. Grosse and Ms. Trevizo for their data compilation, review and assistance. Mr. Pushard said that it is safe to say that the rebate program has saved water. When you look at the number of devices that have been installed and the average lifetime; the rebate program has saved water. Not only has it saved water, it has saved water at a lower cost then what it would have cost to produce that water. Hopefully the life of the devices will go on producing savings.

Mr. Pushard and Mr. Michaels would like to propose a new concept in looking at rebates, working with Ms. Trevizo to look at it from the customer perspective as well as the city perspective. If you look at it from the city perspective we have been successful. If you look at it from a customer perspective you can almost predict which rebates are going to work and which ones are not going to work based on the net cost to the customer. There is no research that has ever been done on rebates. The takeaway is that the working group has good predictors, not 100%. When looking at the rebate itself, it doesn't always mean that it will have success but on the other hand there is leading interest in technology. Santa Fe has not given tons of rain barrel rebates but there are thousands of rain barrels.

Mr. Koch asked vs. what the cost of the city is to issue a rebate, what is the best bang for the buck.

Mr. Michaels: Washing Machines

Mr. Pushard said that both commercial and residential customers are interested in the pay back. For commercial they look at it from an on-going savings.

Chair Ives asked that the WCC members provide feedback to the working group on this draft.

**MATTERS FROM STAFF:**

**MATTERS FROM COMMITTEE:**

Conveyed in group reports.

**NEXT MEETING – TUESDAY, MARCH 11, 2014:**

CAPTIONS: FEBRUARY 26, 2014 @3 pm

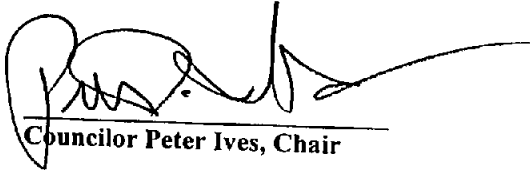
PACKET MATERIAL: FEBRUARY 28, 2014 @3 pm



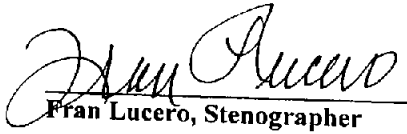
**ADJOURN**

There being no further business to come before the Water Conservation Committee, the Chair called for adjournment at 6:00 pm.

**SIGNATURE SHEET**



Councilor Peter Ives, Chair



Fran Lucero, Stenographer