



# Agenda

CITY CLERK'S OFFICE

DATE 3/21/14 TIME 2:18 PM

SERVED BY Laurie Trevizo

RECEIVED BY [Signature]

**SANTA FE WATER CONSERVATION COMMITTEE MEETING**  
**CITY HALL - 200 LINCOLN AVE.**  
**CITY COUNCILORS' CONFERENCE ROOM**  
**TUESDAY, APRIL 8, 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 MARCH 11, 2014 WATER CONSERVATION COMMITTEE MEETING
6. CONSENT AGENDA
  - A. WATER CONSERVATION OFFICE UPCOMING SPRING EVENTS (Laurie Trevizo)
  - B. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE (Rick Carpenter)
  - C. NICHOLS AND MCCLURE RESERVOIR MANAGEMENT UPDATE (Rick Carpenter, Alan Hook)

**DISCUSSION ITEMS:**

7. PRESENTATION OF ALAMEDA RAIN GARDENS (Brian Drypolcher, 20 minutes)
8. REBATE ANALYSIS (Doug Pushard, 10 minutes)

**INFORMATIONAL ITEMS:**

9. HIGH DEMAND SEASON CAMPAIGN: "THERE IS A DROUGHT ON. TURN THE WATER OFF" (Laurie Trevizo, 10 minutes)
10. PREPARATION AND PROTOCOL FOR WCC PRESENTATION TO CITY COUNCIL (Councilor Ives, 10 minutes)
11. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives 60 minutes)
  - A. GROUP #5- DOMESTIC WELLS WITHIN THE CITY LIMITS (12 minutes)
  - B. GROUP #1 - WATER CONSERVATION & DROUGHT MANAGEMENT PLAN UPDATE (12 minutes)
  - C. GROUP #2- WATER CONSERVATION EDUCATION/OUTREACH (12 minutes)
  - D. GROUP #3- WATER CONSERVATION CODES, ORDINANCES & REGULATIONS (12 minutes)
  - E. GROUP #4- REESTABLISH TREND OF NET ANNUAL REDUCTIONS IN PER CAPITA WATER USAGE AND IDENTIFYING LARGE WATER USERS (12 minutes)

**MATTERS FROM STAFF:**

**MATTERS FROM COMMITTEE:**

**NEXT MEETING - TUESDAY, MAY 13, 2014:**

CAPTIONS: APRIL 30, 2014 @3 pm

PACKET MATERIAL: MAY 2, 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.

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| Cover Page                  |   | Page 1 |
| Call to Order and Roll Call | A quorum was declared by Roll Call  | Page 2 |
| Approval of Agenda          | Ms. McDonald moved to approve the agenda as presented, second by Ms. Randall, motion carried by unanimous voice vote.   | Page 2 |
| Approval of Consent Agenda  | Mr. Wiman moved to approve the Consent Agenda with the amendment to move Item 5B to Discussion Items, second by Mr. Michael, motion carried by unanimous voice vote.  | Page 3 |
| Approval of Minutes         | <p><b>March 11, 2014</b></p> <p><b>Corrections:</b></p> <p><b>Pg. 5 – 12<sup>th</sup> Paragraph:</b><br/> <b>starts with: It was said that in part.....This statement was made by Melissa McDonald.</b></p> <p><b><del>Ms. McDonald said that she does not think that happens. Strike</del></b><br/> <b>Sentence in its entirety.</b></p> <p><b>Index reflects that Ms. McDonald was the acting chair for the meeting of March 11, 2014. Chair Peter Ives was in attendance and was the chair of this meeting.</b></p> <p><b>Name Correction: Bill Snyder – Schneider</b></p> <p><b><i>Ms. McDonald moved to approve the minutes of March 11, 2014 as</i></b></p> | Page 3 |

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|   | <b><i>corrected, second by Mr. Roth, motion carried by unanimous voice vote.</i></b>  |           |
| Consent Agenda  | Item B to be heard under discussion items.  | Page 3    |
| Discussion Items<br>Presentation of Alameda Rain Gardens – Brian Drypolcher | Visual Presentation   | Page 3-6  |
| Drought, Monsoon and Water Resource Management Update (Rick Carpenter)      | Verbal Presentation   | Page 6-7  |
| Rebate Analysis – Tim Michael   | Verbal Presentation/Information in Packet   | Page 7    |
| Informational Items   | High Demand Season Campaign: There is a Drought On. Turn the Water Off<br><br>Preparation and Protocol for WCC Presentation to City Council<br><br>Group Reports:<br>Group #5, Group #1, Group #2, Group #3, Group #4 | Page 7-12 |
| Matters from Staff  | Informational   | Page 13   |
| Matters from Committee  | Informational   | Page 13   |
| Next Meeting  | May 13, 2014  | Page 13   |
| Adjourn   | The meeting was adjourned at 6:10 pm  | Page 13   |

CITY OF SANTA FE

# SF WATER CONSERVATION COMMITTEE MEETING

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MINUTES

  
FRANCES LUCERO

4/8/14

# **SANTA FE WATER CONSERVATION COMMITTEE MINUTES**

**Tuesday, April 8, 2014  
City Councilors' Conference Room  
200 Lincoln Avenue  
4:00-6:10 p.m.**

## **1. Call to Order**

Councilor Peter Ives, Chair for the Santa Fe Water Conservation Committee at 4:00pm, called the meeting to order. Roll call reflects a quorum.

### **PRESENT**

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

### **NOT PRESENT**

Doug Pushard

### **STAFF PRESENT**

Laurie Trevizo, Water Conservation Manager  
Caryn Grosse, Water Conservation Specialist  
Brian Drypolcher, City River and Watershed Coordinator, Public Works Department  
Anna Serrano for Fran Lucero, Stenographer

## **2. Approval of Agenda**

*Ms. McDonald moved to approve the agenda as presented, second by Ms. Randall, motion carried by unanimous voice vote.*

### 3. Approval of Consent Agenda

*Mr. Wiman moved to approve the Consent Agenda with the amendment to move item 6B to Discussion Items, second by Mr. Michael, motion carried by unanimous voice vote.*

### 4. Approval of Minutes

**March 11, 2014**

**Corrections:**

**Pg. 5 – 12<sup>th</sup> Paragraph: starts with: It was said that in part.....This statement was made by Melissa McDonald.**

**~~Ms. McDonald said that she does not think that happens.~~ Strike Sentence in its entirety.**

**Index reflects that Ms. McDonald was the acting chair for the meeting of March 11, 2014. Chair Peter Ives was in attendance and was the chair of this meeting.**

**Name Correction: Bill Snyder – Schneider**

*Ms. McDonald moved to approve the minutes of March 11, 2014 as corrected, second by Mr. Roth, motion carried by unanimous voice vote.*

### 5. Consent Agenda:

- a. Water Conservation Office Upcoming Spring Events (Laurie Trevizo)**
- b. Drought, Monsoon and Water Resource Management Update (Rick Carpenter)**
- c. Nichols and McClure Reservoir Management Update (Rick Carpenter – Alan Hook)**

### 6. Discussion Items

- a. Presentation of Alameda Rain Gardens – Brian Drypolcher (Exhibit A) – Alameda Rain Gardens (A program to be funded by the Santa Fe River Voluntary River Conservation Fund [the River Fund])**

#### THE RIVER FUND

The city of Santa Fe has what they call the Santa Fe River Voluntary Conservation Fund, which was established in 2006-2007 where the water user can check off on their bill to make a contribution in to this fund. There is now over \$250,000 in this fund that was collected under the original ordinance that put that fund in place. Subsequently that ordinance has been amended. The first part of the ordinance said that those monies that go in to the River Fund shall be used to acquire water rights. Those water rights will be used to support the Santa Fe River and interestingly enough the Rio Grande according to that ordinance.

Those were very restricted funds for the acquisition of water rights only. Come to find out, several years later that it is very difficult actually almost impossible to acquire meaningful water rights for red water on the Santa Fe River. The Santa Fe River Commission reviewed and deliberated on how the funds could be spent to put water in the Santa Fe River. The terms of the fund through ordinance were amended to say:

“Money deposited in the voluntary river conservation fund shall be dedicated to projects that improve the flow of water in the Santa Fe River in ways that enhance the ecosystems of the Santa Fe River and its riparian corridor”.

Mr. Drypolcher said that what needs to happen now and he is working with people in the city finance group is as described; the River Fund on the accounting side needs to have a new fund created for the new description. Mr. Drypolcher said that they are also asking the community, and he referred to the recent mailing, asking people to consent and say; “yes I put money in the River Fund in its former life and I would like that money to be converted in to its new life.” So the new money that can behave like new money which is about \$50,000 and we would like to reach in to the old money and turn it in to new money. Accounting is working on that formality.

Chair Ives commented that when people donate funds for particular purposes there is an obligation in whoever receives those funds to spend them strictly according to the purposes for which they were intended which is why the city is reaching out to all customers who have contributed to the fund asking them to agree that the funds that they contributed can be expanded into these new purposes.

Mr. Drypolcher further added that by State Statue; unless you get a permanent consent old money stays old money. We would then continue the process of shopping for water rights on the Rio Grande.

Mr. Drypolcher reported that the River Commission discussed if they could spend the money on other activities what would be a project that would have some visibility, would be good for the river, would be good for the health of the watershed and also serve as something that could be used to market the River Fund. It would be nice to draw people’s attention back to the concept of the River Fund.

Mr. Drypolcher said they took the concept of the River Gardens to the City Council and they said yes and approved the concept for the Alameda Rain Gardens. Mr. Drypolcher made reference to the handout and spoke to that effect.

Page 2: A series of storm water management features along East and West Alameda Street from East Palace Avenue to Rincon de Torreon and the Torreon Arroyo: a three-mile stretch of Alameda running parallel to the Santa Fe River.

Estimated potential for 145,000 square feet of catchment area, about 3.3 acres of roadway surface.

Page 3: Shows storm water infiltration features that have been installed on Alameda Street. (Projects that have been done.)

Page 4: **Example of one potential Rain Garden site.**

Design and construct a storm water infiltration feature, with landscape improvements, east of Old Santa Fe Trail (between OSFT) and Cathedral Place). Include resetting curbstones, install infiltration features, planting, site furniture.

Mr. Drypolcher said that they will continue to get through the accounting phase, post cards continue to come in with the approval to convert the money and do a reconciliation of how much money we will have. We can then identify people to work on the project design and put it out to bid and work with the contractors.

Ms. Piburn asked what is the timeframe to return the post cards.

Mr. Drypolcher said there is not a set timeframe. He believes they will do a repeat mailing to assure attention is directed to the conversion.

Mr. Roth asked what the estimated cost of the example and how far would the money go.

Mr. Drypolcher said that it can go quite far; and depending on the detail of work done the project can go up to five figures. Depending on how the project is laid out the cost could be less. It is low cost infrastructure.

Mr. Roth asked if Youth Works would be used for any part of the project and Mr. Drypolcher said it is very possible.

The Chair asked if there are any other projects along the river covered by other funds.

Mr. Drypolcher said that the Arroyo Chamiso work is very pricy.

Ms. Schmitt referred to the infiltration; "you are collecting right here the infiltration in reservoirs, is it percolating out into that wand?" Mr. Drypolcher stated that it is passive infiltration. Mr. Drypolcher referred to a project on the Santa Fe River near Calle Don Jose and Santa Fe River Rd. where we have some steps going down and we have some lateral sub surface streams that do a better job of distribution of the water.

Ms. McDonald complimented Mr. Drypolcher on the project and is excited to see this take off. She would like to see this be a learning opportunity.



Mr. Roth said that there is a program at Santa Fe High School and he would like to ask that the Contractor who gets this contract add an educational component. Ms. McDonald echoed this sentiment.

Mr. Drypolcher offered to come back at a later date and provide an update on the project, contractor, etc.

The Chair said that his hopes are to have the Santa Fe Exploration app that people can download on their phone to pull photographs of what is being seen and send a text.

Thank you to Mr. Drypolcher.

**b. Drought, Monsoon and Water Resource Management Update (Rick Carpenter) – (amended to move to 5B from Consent Agenda)**

It was reported that there are some new concepts since the memo of March 24<sup>th</sup>. Since then there are updated memos from the Bureau of Reclamation (BOR) and others.

BOR has not come out with an official number yet as to what they will be delivering from the San Juan Chama project. We are expecting that very soon as it normally comes out in early April. Mr. Carpenter said if he had to project a number it would be about 80% prediction of what we would normally receive. Not 100% but not as bad as what he thought it would be. It will probably remain dry and warm even after July. We will see through the rest of the summer if we get much of the monsoon or not. The only dark spot in all of this is that it is beginning to look like the El Nino pattern setting up in the Pacific that can have a variety of impacts on us, maybe we will have good snow packs next year. Mr. Carpenter said his take away message is; "I think we are going to be fine and meeting demand this year, there is no reason to think we won't be. The issue will be if we don't get much monsoon moisture, if we don't get much snow pack next year, there will be zero carryover storage in the regional reservoirs." The next water year will be very difficult.

The Chair stated that last year at this time in the season the prediction was 80% and there were late snows that brought it up to normal. Mr. Carpenter stated that was correct; they started at 80% and ended up at 100%. If that number goes way down, say 50%, the City of Santa Fe is in a better position than a lot of other contractors up and down the river because they have stored water in Abiquiu and they could also call on some exchange water from the ISC if they had to. We will get 100% of San Juan Chama delivery one way or other, at least this year.

Mr. Wiman asked if it was still a consideration to have a presentation on native water. Mr. Carpenter said yes, they have a staff person assigned to that and it is the hopes that in a couple of months to have a presentation for this committee.

Mr. Carpenter noted that one of the problems this year was the middle Rio Grande is anticipating difficult times and they are doing everything very close to the best and doing creative thinking and cooperating with smaller entities like the city of Santa Fe.

Mr. Wiman asked how will the water flowing down the river; how quickly will you meet the commitments of a living river.

Mr. Hook said that there is a start date of April 15<sup>th</sup>, they will look at the forecast and work with Mr. Drypolcher on the hydrographs for next year. April 1<sup>st</sup> forecast determines what next year will yield.

**c. Rebate Analysis - Tim Michael**

Mr. Michael stated that on the last day of March they transmitted to the City what is being called the final copy of the rebate program. The Water Conservation office would like to take an additional look at it.

Ms. Perez stated that this is the type of work you would normally pay a consultant to do and the City has received a great piece of work for free, thank you to Mr. Michael and Mr. Pushard.

Ms. Trevizo echoed her thanks for the hard work put in to this document. Through the process, it helped staff to learn some of the history as staff does not have some of that institutional knowledge. This work will remain as a living document, as in the future when there are questions or requests on the rebates it can be referred back to. Clarification was offered by Ms. Trevizo; the published version will be checked for accuracy in dates and all of the numbers. It will then be published. Mr. Michael looks forward to any corrections that need to be made.

**7. Informational Items**

**a. High Demand Season Campaign: "There is a Drought on. Turn the Water off." (Laurie Trevizo)**

Ms. Trevizo stated that a resolution was passed approximately 1 year ago that stems from this committee to talk about some of the high demand watering season and the language associated with how we will water during that time. As a response to that, staff worked on a campaign and showed some images, (note that the file has size limitations and cannot be forwarded to the WCC). Ms. Trevizo said that the official hose for 2014 is a broom so that you don't wash the sidewalk you are actually sweeping it up as intended and again drought on water off. (Sample was shown visually to the WCC). The City filmed 5 PSA's on Friday and the full tag line is being used; There is a Drought On, Turn Water Off. Ms. Trevizo stated that they had a partnership with Santa Rosa, California. The Quail Landscape Professional Irrigation Curriculum came out of Santa Rosa. They have asked Ms. Trevizo to be on the Quail Board and thru that association they have shared some of their campaign information and Ms. Trevizo asked to use it. The

City of Santa Fe bought the stock photos and staff has used them. Additional description of the photos was detailed by Ms. Trevizo.

**b. Preparation and Protocol for WCC Presentation to City Council. (Councilor Ives)**

Chair Ives stated that he has not finalized the request with the City Clerk. For later this month WCC has the poster contest and thank you related to the Children's Water Fiesta. The plan is to receive 1 hour for the slide show presentation and discussion on the rebate analysis. The plan is to present the 2<sup>nd</sup> meeting in April. The Chair said he would like to have two people there to lead the council through the presentation. The Chair welcomes everyone's participation at that meeting and to stand and be recognized. The date is April 30<sup>th</sup>. Ms. Trevizo stated that this would take place at the beginning of the agenda at the afternoon session. Working Group #2 would make the presentation and Ms. Trevizo asked for the names of the two designated to present.

**c. Group Reports from WCC Initiatives:**

**i. Group #5 – Domestic Wells Within the City Limits**

Mr. Wiman reported that a meeting was held after the last WCC meeting and all members were there. Mr. Wiman stated he had written a draft letter and the consensus was that the letter was too aggressive and that it was singling out private well owners when we really don't have a legal opinion. Included in the packet is a second draft of the letter leaning more towards a kinder, gentler letter. (Exhibit B) The letter would be sent to a more broad population vs. singling out well owners. It is recommended to also send out the brochure.

Ms. Trevizo said that they are revising the brochure to match the campaign material discussed earlier. The graphic artist has worked on the concept and it is being refined.

The Chair stated that once the 2014 brochure is finalized it will be sent out in a billing cycle. It should be fairly easy to include the above-mentioned letter.

Ms. Trevizo stated that they have a Purchase Order in place for the inserting of the bill, she was not aware about this letter procedure. They might be charged more to include this letter and at that point in time she will need to talk with Purchasing. The Chair would like for Ms. Trevizo to check on this process to include the letter.

Ms. Trevizo said that there are other venues they write articles for; they purchase space in The Reporter, Round the Roundhouse, Greenfire Times and Santa Fe Hometown News. Ms. Trevizo said that if any of the WCC has a good relationship with any of these media sources it would be

appreciated to support the insert of this information as they make a choice as to what they will include from the Water Conservation office.

Ms. Schmitt asked if Ms. Trevizo has placed in the City Highlights and City Hall Live; maybe do an interview with someone on the web cam.

Ms. Trevizo clarified that she was addressing other options in lieu of a bill insert that the above publications are being picked up by choice. She stated that they could also ask reporters if they are willing to do stories on things like this.

Ms. Perez would like to see the follow through of this information in the periodicals and City Hall live as discussed.

Mr. Wiman said he would still like to see a letter go out. He also supports all the approaches.

Ms. Trevizo said that the campaign is very straightforward and the minutes last month stated that having too much information is very confusing. Ms. Trevizo would opt for a more streamlined approach and we do targeted campaigns and we target certain customers. Ms. Trevizo would support a letter to the domestic well owners and to remind them to adhere to the rules.

Ms. Schmitt said that it would make them more conscious; if they are not reporting those numbers than many times you are not recording those numbers.

Ms. Trevizo provided the example that a customer receives the letter from the city of Santa Fe that says, "I need to turn in water meter readings." That is an office of the State Engineer mandate; that is not a City of Santa Fe mandate. What have we done in that one instance, we have confused them thoroughly.

Mr. Wiman asked the WCC what their preference was; to send out a letter to private well owners or to send out an inclusive message that they are on the same mailing list as they are city customers for refuse and sewer.

Ms. McDonald commented that they send it out to the people who fall under that category.

Ms. Trevizo stated that in the seasonal brochure last year there was a bullet that said: "all these rules and regulations here also apply to domestic well owners." That is included in the brochure. The other thing is, more is not better, if they get a brochure and a letter and I saw articles, it may not get the message across. Targeting is exactly what it is and from

a budgetary standpoint more is not better. Ms. Trevizo said personally she feels that it is ok to put them on notice, it is ok that they get a letter and letting them know that the city knows they have a well.

Ms. Perez said that she feels people would read it if it wasn't multiple pieces in a bill.

Ms. Trevizo talked about the other mail inserts that are scheduled for the next few months and this particular insert would not be able to go out in the bills until August.

Mr. Wiman asked, what is the budgetary burden?

Ms. Trevizo said that the budgetary burden is working back through procurement; 2 weeks of getting a quote, 2 weeks of waiting on a PO from procurement and that is a month already. That is a budgetary burden; this process was started at the end of February/beginning of March for the May insert. The quote was around \$4000, which includes printing and inserting of the brochure.

Ms. Perez offered an alternative proposal and asked for approval to send out the letter to well owners, specifically as what was mentioned before. Ms. Perez would feel uncomfortable not having a solid plan to contact well owners. If we could all vote to say yes, we are sending letter to well owners within the next 30-days, I would be happy with that. Mr. Wiman concurred that he would agree with this action. Mr. Wiman wasn't sure if there would be legal repercussions.

The Chair clarified that if it is the consensus of the committee to ask the City to consider sending a letter to well owners; they cannot be directed to do that. It was suggested to send a letter that isn't excessive. It should go to the City Manager and the Water Division to review after the legal review is complete. It was agreed that it was the consensus of the committee to send a letter specifically to the well owners.

The Chair said the next step would be for staff liaison, Ms. Trevizo to take the letter to the City Attorney, the City Manager and the Water Company and let them know this is the recommendation from the Water Conservation Committee.

Mr. Wiman also recommended that Ms. Trevizo's approach of an article be considered. Ms. Trevizo agreed to that.

**ii. Group #1 – Water Conservation and Drought Management Plan Update – No Update**

**iii. Group #2 – Water Conservation Education/Outreach**

Ms. Perez stated that she has not attended any meetings but her group is interested in scheduling some public presentations and June is the date they are considering. Ms. Perez specifically asked Ms. Trevizo how they can basically integrate that in her Marketing Plan for June/July.

Ms. Trevizo said that she would need to know by on or before May 15<sup>th</sup>. Many publications have a deadline of the 15<sup>th</sup> and they distribute them by the 1<sup>st</sup>.

Ms. Perez will get this information to Ms. Trevizo by May 15<sup>th</sup>.

The Chair commented that when they can get the presentation in front of Council, it will be videotaped as part of the regular course of that meeting but he would like to ask the City production staff to perhaps use that as an opportunity to do more than just the regular camera's and possibly bring in a different camera to do some different shots from different areas and possibly get a nice piece to put on the website.

**iv. Group #3 – Water Conservation Codes, Ordinances and Regulations**

Mr. Roth said that at the last meeting they worked on the scoring matrix. They are very close to having a final draft on the interior aspects. In regards to the exterior aspects, they are open to sitting down and talking to whoever else is interested.

Ms. McDonald and Ms. Schmitt both expressed interest and would like to be included in this conversation. Mr. Roth asked them to submit some times and dates they might be available to meet.

Mr. Roth started an e-mail correspondence with Steve Hale who runs Build Green New Mexico Program that they use for tax credits. He is in the process of redrafting that to simply it and he is interested in what the WCC is doing. He wants to see if our scoring tool can align with his water-scoring tool. Mr. Hale has some ideas on how to score for the exterior that can simply things. The next time this group meets, Mr. Roth will bring Mr. Hale's suggestions to the table.

Ms. McDonald said she was confused on the purpose.

Mr. Roth said that the idea is that this is a new home tool. Mr. Roth asked that they give this group an opportunity to complete the process and bring back the information to the WCC.

The Chair reiterated that clearly the efforts of the WCC are to promote policy that result in active water conservation. Having this system, the notion was having an additional tool available for those purposes.

Obviously whatever this committee moves forward is going to be reviewed throughout the City structure, Public Utility Committee, Finance Committee including City Council and we have yet to see what this tool will look like. That is the time when you would get input and there will be a lot of opportunities for community input as it moves through the city structure.

Mr. Roth said that to date it has taken a lot of time and this is not something that will happen overnight. There are national participants who will share their information as well. This is a tool and it should not rise up the cost of construction. Mr. Roth reiterated that Mr. Pushard wanted to extend the invitation to the committee to participate if they would like to comment. Mr. Roth suggested that the other members of the committee provide this group with what they think their metric should be.

Ms. Trevizo recommended that all groups re-visit their goals and the purposes around what each working group does. Each group has that information and if they don't, then it needs to be established and identified in the group packet. Ms. Trevizo addressed the template that has been used which details the tasks to achieve the goals. In the meeting minutes it notes that the Domestic Well group was asked to bring this forward for this particular meeting as there was a struggle in understanding which direction they were going to go in so Ms. Trevizo could help.

**v. Group #4 – Re-establish Trend of Net Annual Reductions in Per Capita Water Usage and Identifying Large Water Users**  
(Exhibit C – Group 4)

Report is attached to the minutes for review.

Ms. McDonald reported that POSAC met with Water Conservation and Bob Woods was there. Discussion was referred to the six parks they are looking at and Mr. Wood was invited to comment on the orange level. Mr. Michael and Ms. McDonald ran the numbers and found that the parks were just a little more than average if they were in orange state. There were some questions on whether or not the square footages were ones that they should be using. They did receive the square footages from Mr. Wood and they are waiting to get the square footages that they want to use for turf mainly. An update will be provided at the next meeting. It was also expressed that there was a need for a weather station and Mr. Wood said that Water Conservation has some contacts. Ms. Trevizo said that the discussion can take place but clarified that the weather station was purchased for frozen meters. Ms. McDonald said that the main problem is that the ET that is being used is taken from the municipal airport, which we all know is not good. It was recommended that it be in a place like Ashbaugh Park where a more accurate reading could be had. It would be good if they could get an ET controller that would be more central.

**8. Matters from Staff**

Mayor Gonzales will participate in Mayor's Challenge – mywaterpledge.com – there will be new prizes. We took 6<sup>th</sup> place last year.

The minutes from October 13, 2013 will be presented for approval and signature at the next meeting.

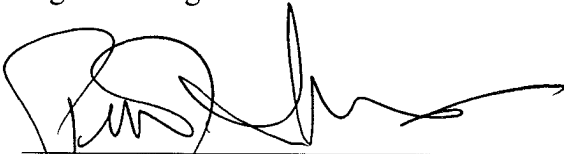
**9. Matters from Committee  
Informational**

**10. Next Meeting – Tuesday, May 13, 2014**

**11. Adjourn**

There being no further business to come before the Water Conservation Committee, the meeting was adjourned at 6:10 pm.

Signature Page:

  
\_\_\_\_\_  
Councilor Peter Ives, Chair  
\_\_\_\_\_  
Fran Lucero, Stenographer



# Alameda Rain Gardens

A program to be funded by the Santa Fe River  
Voluntary River Conservation Fund (the River Fund)

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## **The River Fund**

"Money deposited in the voluntary river  
conservation fund shall be dedicated to projects  
that improve the flow of water in the Santa Fe River  
in ways that enhance the ecosystems of the Santa  
Fe River and its riparian corridor."





# Alameda Rain Gardens Program


A series of storm water management features along East and West Alameda Street from East Palace Avenue to Rincon de Torreon and the Torreon Arroyo; a three-mile stretch of Alameda running parallel to the Santa Fe River.


Estimated potential for 145,000 square feet of catchment area, about 3.3 acres of roadway surface

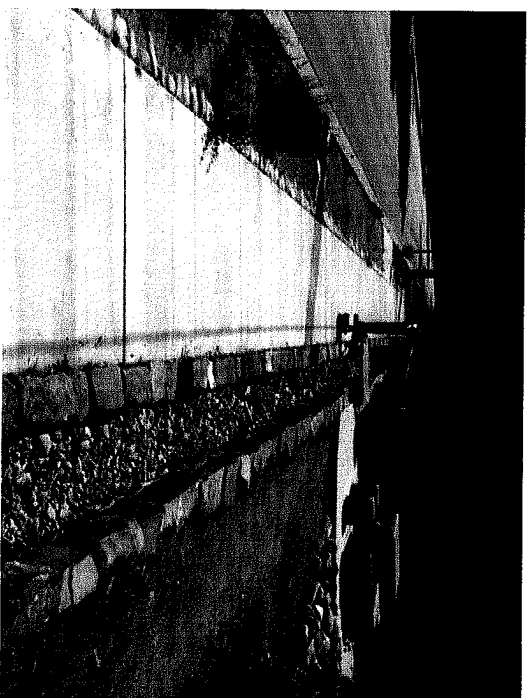
**Legend**

 Rain Garden Sites

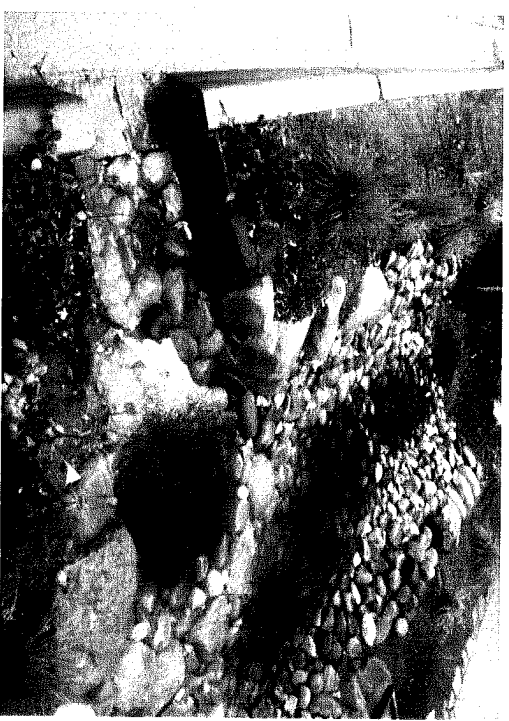
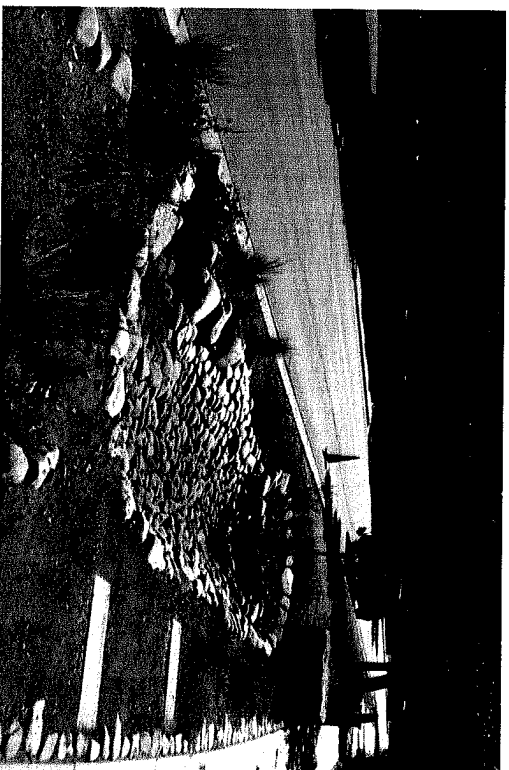
 Rain Garden Project Area

 Contours 10ft

 Santa Fe River



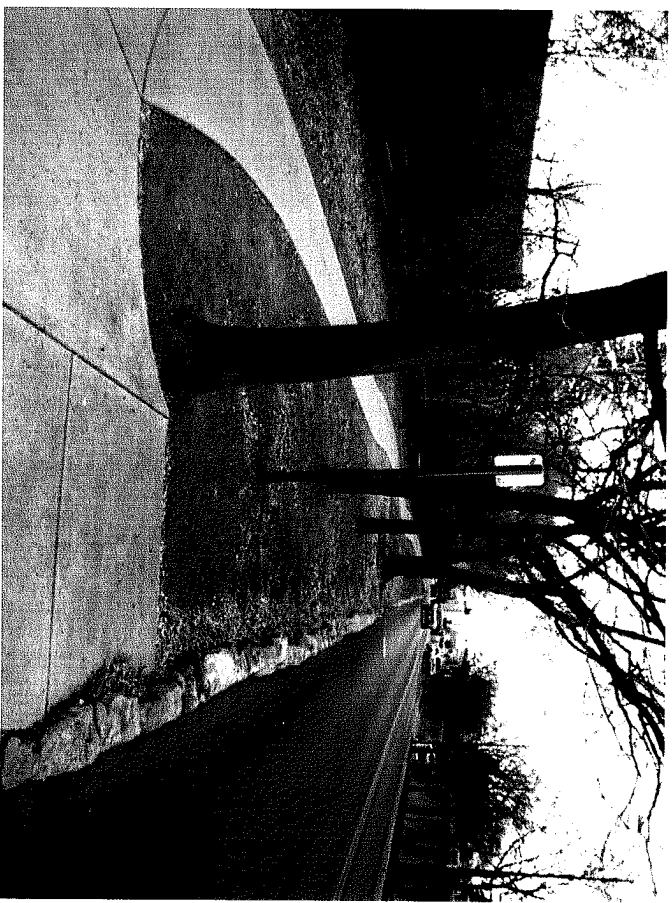
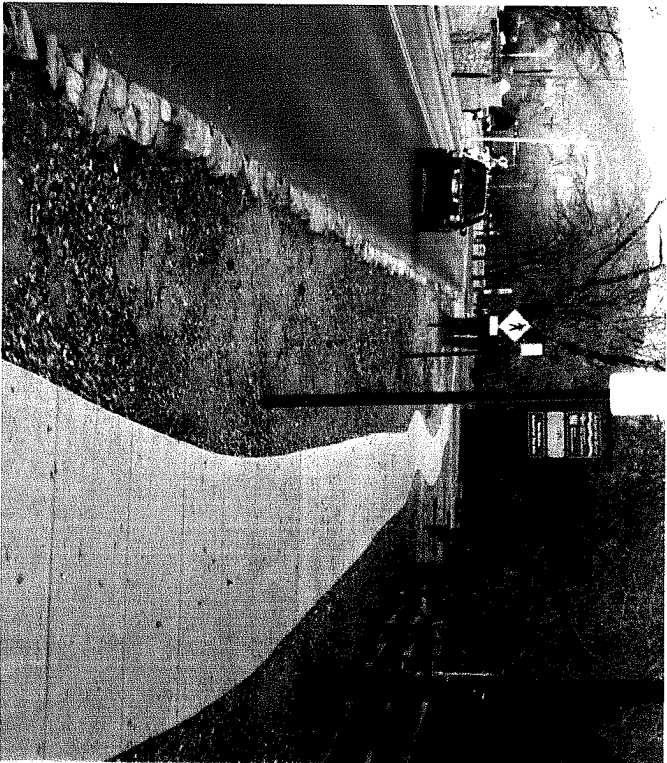
**Storm water infiltration features that have been installed on Alameda Street**



**To capture pollutants and litter before they enter the Santa Fe River  
To encourage infiltration to support adjacent plant life  
To reduce the damaging, eroding forces of storm water**

### **Example of one potential Rain Garden site**

Design and construct a storm water infiltration feature, with landscape improvements, east of Old Santa Fe Trail (between OSFT and Cathedral Place). Include resetting curb stones, install infiltration features, plantings, site furniture.



## Friendly Reminder to all City of Santa Fe Residents

In the spirit of working together to help conserve our water resources, we are attaching a copy of the brochure, *Saving Water is Always in Season*, which was prepared by the Water Conservation Committee for the City of Santa Fe Water Conservation Office and distributed last summer with City utility bills. You should have received it then because you are connected to City water, have City refuse pickup or are connected to the City wastewater system.

We hope that this brochure, which is a year-round guide to saving water, will be useful to you. If you would like more information about water conservation in Santa Fe, we encourage you to visit the Water Conservation Office website. <http://savewatersantafe.com> The City offers a wide variety of rebates and incentives for water conservation. You may learn more about these programs on this same website. <http://savewatersantafe.com/rebates>

With regard to the fact that we all share the common aquifer, we are writing to remind you that all residents of the City, including private well owners, are subject to the same water use guidelines and water restrictions that apply to all residents connected to the Sangre de Cristo Water System. All water users are subject to fines for violating these regulations. A listing of these regulations and fines may be found online. [http://www.santafenm.gov/water\\_use\\_restrictions](http://www.santafenm.gov/water_use_restrictions)

If you have any questions about your well and how you may use it, please contact Laurie Trevizo, Water Conservation Manager, City of Santa Fe Water Division. Tel. 505-955-4223 or by email [ltrevizo@santafenm.gov](mailto:ltrevizo@santafenm.gov) You may also call the Water Conservation Office, Tel. 505-955-4225.

Thank you.

Working Group #5 (Private Wells in the City)  
City of Santa Fe Water Conservation Committee

*Laurie B*

# Interim Water Use Rating System for New Homes - DRAFT 3/27/14

|  |
|--|
| Builder Name:                          |
| Lot Number/Street Address/Unit Number: |
| City, State, Zip:                      |

## Inspection Information

|                     |                 |
|---------------------|-----------------|
| Inspection Company: |                 |
| Inspector Name:     |                 |
| Date:               |                 |
| Time Started:       | Time Completed: |

## Water Information

|                                 |  |
|---------------------------------|--|
| Cost of water per 1,000 gallons |  |
| Cost of sewer per 1,000 gallons |  |
| Number of Bedrooms              |  |
| Project Climate Zone            |  |

## Sampling Protocol Information

Yes No

|  |  |
|--|--|
| Is this home being sampled and inspected as part of a sampling protocol for multiple homes in a planned community, subdivision, or multi-family building?  |  |
| Were the first seven homes in this planned community, subdivision, or multi-family building all directly inspected and certified?  |  |
| Was this home randomly selected for sampling from a group of seven homes that are scheduled for completion within 30 days of one another? (Provide additional information as indicated below for the homes covered by this sampling protocol.) |  |

## Building Information

Yes No

|   |   |
|---|---|
| Is the home being inspected as a unit within a multi-family building?                                       |   |
| If yes, are all applicable building requirements met? (Provide responses to the requirements listed below.) |   |
| Rating Scale Base Line (Year? Or GPCD?)   | ? |

By affixing my signature below, I do hereby declare that I have inspected the home in accordance with the *Version 1.1 WaterSense New Home Specification* and the *Version 1.1 Inspection and Verification Guidance for WaterSense Labeled New Homes* and will provide, if requested, the necessary supporting documents.

|                 |          |
|-----------------|----------|
| Inspector Name: | Company: |
| Signature:      | Date:    |

Exhibit C - Group 4

| Indoor Water Efficiency Criteria |            |   |              |
|----------------------------------|------------|---|--------------|
| Leaks                            | EPA 3.1    | Pressure-Loass test of all water supplies - Detected no leaks   | Yes          |
|                                  |            | No visible leaks from hot water delivery system   | No           |
|                                  |            | No visible leaks from toilets/urinals   | No           |
|                                  |            | No visible leaks from bathroom faucets  | No           |
|                                  |            | No visible leaks for kitchen faucets  | No           |
|                                  |            | No visible leaks from showerheads   | No           |
|                                  |            | No visible leaks from other fixtures/appliances   | No           |
| Service pressure                 | EPA 3.2    | Single-family: Pressure tank installed and set $\leq 60$ psi OR   | Yes          |
|                                  |            | Single family: PRV installed upstream of fixtures and pressure test $\leq 60$ psi OR  | Yes          |
|                                  |            | Single family: Pressure test $\leq 60$ psi and written documentation from water supplier that pressure $\leq 60$ psi  | Yes          |
| Hot water delivery               | NGBS 801.1 | Indoor hot water supply system is in accordance with one of the pactices listed in items 1-5. The maximum water volume from the source of the hot water to the termination of the fixture supply is determined in accordance with Tables 801.1(1) or 801.1(2). The maximum pipe length from the source of hot water to the termination of the fixture supply is 50 feet.<br><br>The maximum volume from the water heater to the termination of the fixture supply at furthest fixture is (select value ): | 1.128 ounces |
| Toilets                          | EPA 3.4.1  | Gallons per Flush   | 1.28         |
| Flushing urinals                 | EPA 3.4.2  | Gallons per Flush   | 1.6          |
| Bathroom sink                    | EPA 3.5.1  | Gallons per Minute  | 2            |
| Kitchen sink faucets             | EPA 3.5.2  | Gallons per Minutes   | >5           |
| Showerheads                      | EPA 3.6    | WaterSense labeled  | Yes          |
|                                  |            | Measured flow rate—max 2.0 gpm water per shower compartment $\leq 2,160$ in <sup>2</sup> (Flow test max: 0.35 gal/compartment)  | Yes          |
|                                  |            | Separate controls for showerheads if > 2160 in <sup>2</sup>   | Yes          |
| Dishwashers                      | EPA 3.7.1  | Gallons per Wash  |              |
| Clothes washers                  | EPA 3.7.2  | Gallons per Wash  |              |
| Evaporative Cooling System       | EPA 3.8.1  | Acceptable system type  |              |
|                                  |            | Maximum 3.5 gal/water/ton hour cooling, max 3 blowdowns/24 hr   | Yes          |
|                                  |            | Controls blowdown through conductivity or a basin temperature- based controller   | Yes          |
| Water softeners                  | EPA 3.8.2  | Certified to NSF/ANSI Standard 44, including voluntary efficiency rating standards in Section 7   | Yes          |
| Drinking water treatment         | EPA 3.8.3  | NSF/ANSI certified, minimum efficiency rating 85%   | Yes          |
| Innovative Practices             |            | - Recycled water to flush toilets   | No           |
|                                  |            | - Recycled water to wash clothes  | No           |

|  |                      |  |    |
|--|----------------------|--|----|
|  | <b>WURS<br/>Team</b> | - Hands-free Faucets                         | No |
|  |                      | - Showers Equipped with Shut-off Valves      | No |
|  |                      | - Recycled Water for Toilets                 | No |
|  |                      | - Recycled Water for Clothes Washing Machine | No |
|  |                      | - Water Use Monitoring System                | No |
| <b>Notes on Indoor Water Efficiency Criteria</b> |                      |  |    |



#### Working Group 4

##### Issue: Promoting Conservation Strategies of Large Water Users

|                           |   |
|---------------------------|---|
| <b>Strategic Goal</b>     | Contribute to reducing water use by optimizing water use by large water users   |
| <b>Objectives</b>         | Optimize water use by large users   |
| <b>Tasks</b>              | <ul style="list-style-type: none"><li>• Identify large water users</li><li>• Promote the installation of electronic transmitting water meters</li><li>• Estimate contribution to total demand</li><li>• Engage large water users in the discussion of how to optimize water use</li><li>• Identify ways to optimize the water consumption of large users, and encourage water conservation by large users</li><li>• Engage in discussion Research on Smart Controllers for rebates/park installations</li><li>• Explore and suggest potential rebate programs and potential savings for large users</li><li>• Explore behavioral modification models as a means to reduction of use</li><li>• Research commercial water budgets</li></ul> |
| <b>Members</b>            | Karyn Schmitt, Melissa McDonald, Tim Michael  |
| <b>Notes</b>              | <ul style="list-style-type: none"><li>• Research on Smart Controllers for rebates/park installations</li><li>• Exploring with WCC on ways to localizing —adding passive water harvesting info to the curriculum perhaps through the QWEL program</li><li>• Liaison with Parks and Open Space (POSAC--Melissa McDonald)</li><li>• Support AML efforts for better meter reading and better software packages that help consumers track individual daily water use as a tool for increased efficiency and conservation</li><li>• Review Green Building Code amendments --- chapter 8</li></ul>   |
| <b>Reference Material</b> | <ul style="list-style-type: none"><li>• Water Use in Santa Fe, Borchert et al., July 2009</li><li>• QWEL Guide and website/WaterSense</li><li>• US Dept. of Energy, Federal Energy Management Program, Guidelines for Estimating Unmetered Landscaping Water Use</li><li>• City of Santa Fe Green Building Code &amp; administrative guidelines</li><li>• EPA WaterSense, <a href="http://www.epa.gov/watersense/outdoor/landscaping_tips.html">http://www.epa.gov/watersense/outdoor/landscaping_tips.html</a></li><li>• <a href="http://www.epa.gov/watersense/docs/water-efficient_landscaping_508.pdf">http://www.epa.gov/watersense/docs/water-efficient_landscaping_508.pdf</a></li></ul>   |
| <b>Fiscal Impact</b>      | To be determined  |

#### Update:

**Parks:** Bob Wood was invited to our most recent meeting to discuss the analysis water conservation was developing should the City go into stage orange. We wanted to see where parks were at in this scenario.

Over the past few meetings, POSAC has been gathering data on the parks water usage, size of park and irrigated area. We decided to look more closely at 6 parks: Lopez, Cornell, Los Milagros, Galisteo, Franklin Miles, and Ragel (high & low). We then compared this to the DOE/EPA guidelines, water conservation office formulas and the city's drought ordinance at stage orange. According to SFCC 1987 25.5.5.C(c), an annual total of 24 inches of water is allowed for public parks, athletic fields and roadside landscapes under water warning stage orange.

The numbers based on the turf areas provided by Parks, while preliminary, showed that the amount of water used in 2013 for the six parks was only slightly higher than an amount allowed under stage orange.

It was agreed that Parks and Water Conservation would seek to agree on the turf area in acres for the 6 parks, and that the water allocation numbers would be rerun based on the agreed-upon turf areas.

We also discussed the need to have sufficient resources so that trained staff can do regular repairs and audits to ensure high efficiency over time.

**WG Overlap:** WERS – followed up with WG2 to verifying review documents. We began to review existing green building code requirements.

**Smart Technology:** report on soil moisture systems and water flow auto shutoffs as leak detectors for both commercial and residential.