



Agenda

DATE 10.12.14 TIME 6/27/14
STYLED BY Caryn Grosse
RECEIVED BY [Signature]

SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL - 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM
TUESDAY, JULY 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 JUNE 10, 2014 WATER CONSERVATION COMMITTEE MEETING
6. CONSENT AGENDA
 - A. RESERVOIR IMPROVEMENTS UPDATE (Alan Hook)

DISCUSSION ITEMS:

7. NEW UTILITY BILLING- CUSTOMER BILL FORMAT (Nick Schiavo, 10 minutes)

INFORMATIONAL ITEMS:

8. DROUGHT, MONSOON AND WATER RESOURCE MANAGEMENT UPDATE (Rick Carpenter, 10 minutes)
9. CHILDREN'S POSTER CONTEST THEME SELECTION (Caryn Grosse, 10 minutes)
10. DEBRIEF OF "INNOVATION IN URBAN WATER SYSTEMS" SAN FRANCISCO (Laurie Trevizo, 10 minutes)
11. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives 60 minutes)
 - A. GROUP #2- WATER CONSERVATION EDUCATION/OUTREACH (12 minutes)
 - B. GROUP #3- WATER CONSERVATION CODES, ORDINANCES & REGULATIONS (12 minutes)
 - C. GROUP #4- REESTABLISH TREND OF NET ANNUAL REDUCTIONS IN PER CAPITA WATER USAGE AND IDENTIFYING LARGE WATER USERS (12 minutes)
 - D. GROUP #5- DOMESTIC WELLS WITHIN THE CITY LIMITS (12 minutes)
 - E. GROUP #1 - WATER CONSERVATION & DROUGHT MANAGEMENT PLAN UPDATE (12 minutes)

MATTERS FROM STAFF:

12. REMINDER FROM STENOGRAPHERS

MATTERS FROM COMMITTEE:

NEXT MEETING - TUESDAY, AUGUST 12, 2014:

CAPTIONS: JULY 28, 2014 @3 pm

PACKET MATERIAL: JULY 30, 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
INDEX
JUNE 10, 2014

Cover Page		Page 1
Call to Order and Roll Call	Councilor Peter Ives, Chair, called the Water Conservation Committee Meeting to order at 4:00 pm in the City Councilor's Conference Room. A quorum did exist.	Page 2
Approval of Agenda	Request to move Item 11 & 12 to the Consent Agenda, per the minutes of the last meeting I would request that this be placed on the formal agenda to spend more time on the Water Conservation Codes, Ordinances & Regulations. Ms. Randall moved to approve the agenda as amended, second by Mr. Wiman, motion carried by unanimous voice vote.	Page 2-3
Approval of Consent Agenda	6-11 & 6-12 Mr. Hook will present an updated memo on the reservoir improvements. Ms. McDonald moved to approve the Consent Agenda as amended, second by Ms. Piburn, motion carried by unanimous voice vote.	Page 3
Approval of Minutes, May 13, 2014 Corrections noted: Reference to Mr. Koch throughout the minutes should be Mr. Roth. Page 6: Allan should be Alan	Ms. Piburn moved to approve the minutes of May 13, 2014 as amended, second by Ms. McDonald, motion carried by unanimous voice vote.	

Melissa McDonald not present at May 13, 2014 meeting.		
Consent Agenda	Reservoir Improvements Update, Alan Hook	
Discussion Items <ul style="list-style-type: none"> - Automated Meter Reading System - Drought, Monsoon and Water Resources Management Update - Spring QWEL Training and QWEL Recognition - Update on Spring Outreach and Education Activities - Rebate Analysis Findings and Recommendations 	Informational – No formal action.	Page 3-6
6-A – Update on Reservoir, Alan Hook	Informational	Page 6-7
Informational Items Group #3 Group #4 Group #5 Group #1 Group #2	All reports informational.	Page 7-9
Matters from Staff	Informational	Page 10
Matters from Committee	None	Page 10
Next Meeting	Tuesday, July 9 th	Page 10
Adjournment and signature	There being no further business to come before the Water Conservation Committee, the meeting adjourned at 6:00 pm.	Page 10

Water Conservation Committee

Minutes – June 10, 2014

Fran Lucero, Stenographer



**SANTA FE WATER CONSERVATION COMMITTEE
CITY HALL – 200 LINCOLN AVENUE, CITY COUNCILOR'S OFFICE
TUESDAY, JUNE 10, 2014
4:00 PM – 6:00 PM**

MINUTES

1. Call to Order

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

2. Roll Call

Present:

Councilor Peter Ives, Chair
Doug Pushard
Tim Michael
Giselle Piburn
Stephen Wiman
Lisa Randall
Grace Perez

Not Present (Excused)

Nancy Avedisian
Karyn Schmidt
Melissa McDonald
Bill Roth

Others Present:

Caryn Grosse, Water Conservation Specialist
Nathan Manzanares, Enforcement Officer for Water Conservation Committee
Joseph Sugrve, Intern
Rick Carpenter , Water Department
Robert Wood
Nick Schiavo
Alan Hook
Anna Serrano for Fran Lucero, Stenographer

3. Approval of Agenda

Request to move Item 11 & 12 to the Consent Agenda, per the minutes of the last meeting I would request that this be placed on the formal agenda to spend more time on the Water Conservation Codes, Ordinances & Regulations.

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

4. Approval of Consent Agenda
6-11 & 6-12

Mr. Hook will present an updated memo on the reservoir improvements.

Ms. McDonald moved to approve the Consent Agenda as amended, second by Ms. Piburn, motion carried by unanimous voice vote.

5. Approval of May 13, 2014 Minutes

Corrections noted:

Reference to Mr. Koch throughout the minutes should be Mr. Roth.

Page 6: Allan should be Alan

Melissa McDonald not present at May 13, 2014 meeting.

Ms. Piburn moved to approve the minutes of May 13, 2014 as amended, second by Ms. McDonald, motion carried by unanimous voice vote.

6. Consent Agenda
Reservoir Improvements Update (Alan Hook)

DISCUSSION ITEMS

7. Automated Meter Reading System (Nick Schiavo)

Mr. Schiavo said they have been looking at a meter system for the city's 32,000 water meters. In January of this year the RFP was issued and short listed some different company's and last month they heard from the top 4 proponents. The names of the company's that the committee tentatively selected were shared with the committee. Mr. Schiavo reported that they are in the process of negotiating a price for the new system with them now. Mr. Schiavo visually showed a water meter and explained the components to the committee members. It will read every hour, once every 24 hours in the evening it will provide data that will assist customer service to assist home and business owners. The recommendation is to go with Cellular Network to make use of the existing cell towers in town. The data goes out at approximately 3:00 – 4:00 am; battery warranty is for 20 years. The contract being considered is a long term contract with the vendor for 20 years. A demonstration was given of the customer portal.

Councilor Ives asked, what is the continuous flow detected?

Mr. Schiavo responded that the continuous flow is for the last 24-hours and it only reads once an hour but every time it would go to read there was water moving. The current

system does not provide that type of granular data. The only time they would see that is at the end of the month to a homeowner or business detected a leak, we would have to download the data to show them if something is going on. This system is pretty close to real time. There are a couple of them in town right now as test sites.

Ms. Piburn asked how the customer is notified if they detect a leak?

Mr. Schiavo said they can be contacted by e-mail or text. There are also limits that can be set to usage and if you reach that amount you can be notified by email or text message.

Ms. Grosse said this is an option that the customer needs to do, correctly.

Mr. Schiavo said if they get approval at the City Council, all 32,000 sites will have this unit and then the city will have all the data. Having the data on the customer service end will allow the city to be more proactive and contact the customer should there be a problem.

Ms. Perez asked about the summary on monthly billing.

Mr. Schiavo said that they are doing a new utility billing system scheduled to go on line in February, 2015, we are making sure that there will be a clean interface. The city of Boulder has the same CIS Infinity software that we are using with our billing and a very similar system with Badger and we have talked to them and they are happy with the interface. We have a consultant who is helping us with this project and helping us with the software project.

Mr. Schiavo asked that the Chair to add the new proposed bill for review of the software. This demonstration won't have anything on the bill; it will have the raw data on usage each month.

Mr. Schiavo said that the ability of the new system is that customer service will have an exact reading to what the customer is seeing.

Ms. McDonald would like to have more information. Mr. Schiavo said that he will get the names of other cities and do additional checking around. It was noted that we are working on a 20 year plan; say something were to happen in 11 years, Badger will come in and replace all of the components. One other concern that was answered was the installment option; we will have a fixed price for all of the software, the customer portal will all be maintained by them, all of the servers with a flat rate. Mr. Schiavo has been told that they will get 98.5% of the readings each month. The 1.5% could be a trashcan in the wrong spot, etc.; they guarantee 98.5% of the read.

Ms. McDonald offered their help and encouraged Mr. Schiavo not to hesitate to ask. Thank you.

8. Drought, Monsoon and Water Resource Management Update (Rick Carpenter)

Memo provided to the committee for review and update. (*Exhibit A*) Changes from last month; many models are now predicting the likelihood of a return of an El Nino weather pattern (75% chance). This could mean increased precipitation for the coming months. As of May 21st, and due to the heavy rains in mid-September and some minor winter snow storms, total combined storage in Nichols and McClure reservoirs is up to 32.1% (or about 1,280 acre-feet of storage). Flows in the Rio Grande are relatively low but the BDD Project is able to divert water. Flows were temporarily increased in the Rio Grande to mimic snow melt runoff in order to create advantageous conditions for silvery minnow spawning. The artificial minnow spike will produce twice the minnows to lay eggs which results in 4 times as many eggs. The snow run-off is lasting longer. San Juan Chama run-off is as high as it's been in years.

9. Spring QWEL Training and QWEL Recognition Update (Robert Wood)

(*Exhibit B*) – Memo dated June 4, 2014 from Mr. Wood to the Water Conservation Committee.

QWEL (Qualified Water Efficient Landscaper) was conceptualized as an addition to the Water Conservation Office in 2011. QWEL is the second approved US EPA Water Sense Irrigation Auditor Certification program in the nation and was developed in cooperation with the California Landscape Contractors Association, Sonoma County Water Agency, City of Santa Rosa, Marin Municipal Water District and the colleges of Santa Rosa and Marin. It was noted that some of the EPA brochures are short and geared towards turf. Mr. Wood provided information on each of the classes as referenced in the memorandum dated June 4, 2014. There are currently 49 QWEL certified persons within the state of New Mexico, 24 persons are certified as “for hire” within the city of Santa Fe.

10. Irrigation Rebate Process (Robert Wood)

(*Exhibit C*) Memorandum Dated June 4, 2014 to the Water Conservation Committee from Mr. Wood – Irrigation Rebate Process

Drip irrigations save a lot of water but they are the highest to maintain of any of the irrigation systems. You are putting micro bits of water in there; all it takes is one piece of dirt to mess up an entire system. Maintaining them becomes critical or they fail. Mr. Wood continued by describing different systems and how they are constructed and how long they could become automated in larger systems.

Rebates for irrigation efficiency are being offered as a trial program May 1, 2014 to October 31, 2014. The Water Conservation Office is piloting this rebate for 2014, if

successful rebate will continue in the future. (*Rebate detailed in Exhibit C*) Efficiency rebates are combined with the equipment rebates.

Reference was made to Page 2, addressing the application and audits and timeline for the credit to be issued. It was recommend that the wording be changed regarding the deadline of October 31st and if the customer's request is dated November 1st, this should be stated clearly. Second question; is this going to be continued at the SFCC, it is known that it will be done in the spring of next year. Mr. Wood said that the classes have been done as a partnership and he will continue at any location. The direction is for Mr. Wood to follow up with the Santa Fe Community College to find out if this will be on-going. It was noted that Mr. Wood is in the catalog at the present time. Ms. Grosse said that she had no knowledge of this and that Ms. Trevizo should be contacted on this matter. It was reiterated that we do not want this to fall in between the cracks.

A qualified QWEL (irrigation auditor that has completed training and has the QWEL contractors' agreement on file performs a site visit and evaluates irrigation system by way of the Irrigation Audit.

Change in Agenda Sequence:

6(a) Update on Reservoirs, Alan Hook, City Water Division

Mr. Hook made reference to memorandum dated May 27, 2014 from the project managers, Alex Puglisi and Robert Jorgensen, Water Division Engineers to the Public Utilities Committee regarding: McClure & Nichols Reservoir Improvements, CIP Project #3038.

The Public Utilities committee did tour the structure and the attachment does show progressive pictures of the progress on this project. As of this date we are at about 22% capacity, which is about 49 million gallons. The total capacity of Nichols is around 215 million gallons. We are fully operational. He referred to the first bench, which they refer to as the 16" valve, which is the intake valve that goes to both the Canyon Road Water Treatment Facility and also to the River. As of today they are treating 3.8 million gallons we need to get to 5 million gallons. We have about 3 ½ - 4 million gallons that is going to the living river at this point. We will continue this week at that flow rate which is about 5 ½ CFS; we are having a fishing derby this weekend for children 11 and under this summer (7:00 am – 12:00 noon). Right now they are balancing both the treatments at Canyon Road and what water they have in Nichols, and will continue to build Nichols to about the second intake structure which looks in the picture about half up. The Engineers will test that valve also. For about the last 3 weeks they have been hovering on McClure because of the late spring precipitation, at about a little over 40%, today they were at 38%. Staff will continue to move about 11 million gallons, we have about 11 ½ million gallons coming out of McClure. Goal is to have McClure drained by the middle of August if at all possible. Next phase will begin with construction companies

coming in and do preliminary work end of August to start their contract on September 1, 2014.

Councilor Ives asked if there is another opportunity to tour McClure, he recommends and welcomes that opportunity. It was noted that the thinning process is very impressive.

Mr. Hook said that McClure was built before OSHA rules and the changes will be a lot more efficient. There will be tours planned for the fall season and he will keep the WCC informed.

Mr. Michael's asked for the status on the 2013 Annual Report.

Mr. Hook said that anticipated date for this report is August 2014 and he will bring this back to the WCC.

11. Update on Spring Outreach and Education Activities (Caryn Grosse)
(Handout included in packet)

12. Rebate Analysis Findings and Recommendations (Caryn Grosse)
(Handout included in packet)

INFORMATIONAL ITEMS

1. Group Reports from Water Conservation Committee Initiatives (Councilor Ives)

a. Group #3 – Water Conservation Codes, Ordinances & Regulations
Doug Pushard

Rating System – update reports have been provided for the last 3 months with examples. The idea is to address the inside first as the outside will be very difficult. Inside was modeled after the EPA Indoor Program and we basically took their program and have looked at both the NM Build Green Program and the USGBC to come up with a new home rating system which is the water use rating system very similar today to the sustainable use system. We have a rating for energy use inside the house. It was to come up with an equivalent water use inside the house. The plan is to attack the outside once we can agree on the inside. Inside is everything we measure already - the toilets, the urinals, etc. (Exhibit E). The thinking is that this is an audit program, a third party would come in and audit the house and provide a signed audit to the buyer of the house that this conforms to the rating scale. The committee is probably at about 95% for the Indoor project. A spreadsheet will be created and feedback will be welcome. Reminder that this project started by the builders, they want to see a water rating tool, they can build better houses and it offers a way for them to differentiate. Build Green NM is also invested in this project.

Power Point Presentation: (On file in Water Conservation Office)

1 – Project Summary Page

2 – BGNM WURS (Exhibit E)

3 – Inspection Information

Councilor Ives asked about lining up some of the categories on the 2nd page to tie this with the rebates. Mr. Pushard said that the rebates we offer today are not offered to the new homes, it is for a tax credit for new homes. There is a discussion that will follow under Legislative updates.

Ms. Randall asked if any assistance is needed from the WCC.

Mr. Pushard is looking for support and concurrence on what has been presented and updates will be provided as it makes its way through the City system. We also want to allow sufficient time for the outdoor. Mr. Pushard will get the spreadsheet on line and as stated earlier, he welcomes feedback to consolidate all comments.

Ms. McDonald mentioned that in the Mayor's Transition Committee there was recommendation to hire a WURS administrator hired and this would allow the city to do these inspections as well so it would be either/or not just outside contractors. There could be open discussion from the constituents on why to have a third party involved.

Legislative Update: They are going back for the green bill tax credit, the intent by Senator Wirth and the builders to make this part of the tax credit bill that gets re-drafted. There are a lot of politics among the homebuilders organization, there is consensus on this issue. This would be a new bill that would go forward the next legislative session. SHB24 was the existing home Water Conservation bill and it will be put forward again in the upcoming session but they really want to model the water around this as well. Mr. Pushard said they tried to model it to do the existing and new with the tool, he feels this is possible for in-door. Outdoor – existing vs. new are very different. Senator Wirth said there is a good push for water conservation.

Chair Ives asked Ms. Grosse to invite Senator Wirth to the August meeting to have a legislative discussion.

Ms. McDonald said that the Senator was very clear that the only way this is going to pass is if people work together. He had a lot of people of varied interest there and that people need to work together to get this bill passed.

b. Group #4 – Reestablish Trend of Net Annual Reductions in Per Capita Water Usage and Identifying Large Water Users (*Exhibit F*) – Ms. McDonald

The city is looking for a new Parks Director, which has delayed work in progress, and they are talking about combining Parks and Rec. We are continuing to work on our water conservation report but feel it is important to have buy-in from the new Division Director and possibly the new department head. POSAC is also requesting community garden majordomos to report water usage monthly for the community vegetable plots as a way to educate and keep track of water used. Bette Booth will give a report on the WAA meeting to POSAC at the June meeting.

c. Group #5 – Domestic Wells Within the City Limits

Mr. Wiman reported that his report was not sent out to all members. The Draft report will be provided at the next scheduled meeting.

Q: What is the status of the letter that would be sent to private well users 2 months ago? Ms. Grosse did not have an update at this time.

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

Ms. Grosse noted that she has not seen anything from the consultant; Ms. Treviso is working with her directly. Ms. Perez said that the committee is working and prioritizing the project list and will report at the next meeting. Ms. Grosse noted that she will be out on July 2nd and Ms. Treviso would need to work with this group on this day. The consultant will not be available on July 2nd; she is chairing a meeting in Albuquerque.

e. Group #2 – Water Conservation Education/Outreach

Ms. Grosse reminded the WCC members that the presentation to the PUC is scheduled for the 9th of July. WCC members need to be available to make that presentation. Ms. Grosse will confirm the date and send information to the committee for their calendar.

Ms. Grosse said that the press release has been drafted and is being reviewed. It will be released on Thursday for the presentations next week.

Ms. Perez informed the committee that she worked at the Green Chamber of Commerce festival and got some sign ups or interest for future presentations.

MATTERS FROM STAFF

Introduction of Nathan Manzanares, Enforcement Officer

J.D. (Joseph) Sugre (spelling) – Summer Intern for Water Conservation and Water Resources Group

Ms. Grosse asked the WCC if they have comments on the Watershed Plan to be sent to Esha no later than Monday, June 16th.

A project-wet workshop is being done next week. Registration can be completed on the city website, it will take place on June 17th and it is a 6 hour session. No charge for attendance due to sponsorship.

MATTERS FROM COMMITTEE

None

NEXT MEETING – Tuesday, July 9th

Chair Ives asked Ms. McDonald to chair the meeting on this date, as this is City Council meeting.

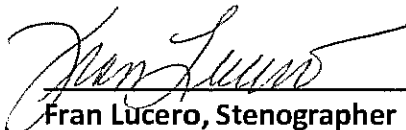
Captions: June 23, 2014 @ 3:00 pm Packet Material: June 25, 2014 @ 3:00 pm

ADJOURN

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

Signature Page:

Councilor Peter Ives, Chair



Fran Lucero, Stenographer

Nichols and McClure Reservoirs Restoration Project

Frequently Asked Questions

Why are improvements at the reservoirs needed?

Replacement of the intake towers at both Nichols and McClure Dams are needed to improve dam safety, operating personnel safety, and improve flow control of reservoir releases.

- Existing intake towers are 70 – 80 years old and do not meet current seismic stability requirements.
- Intake valves leak and only one valve at each tower is in operating condition.
- Intake structure is located several hundred feet from the shore and can only be accessed by boat or walking on ice when the reservoir is frozen.
- Intake towers are 80 - 100 feet high and only 4 – 5 feet in diameter and valves and valve actuators are located inside the tower where there is inadequate room for repair, replacement, or maintenance.

How long will construction take?

Construction takes 9 months per dam and will be done one dam per year. Work at Nichols Dam began September 3, 2013 and will be completed in mid-May 2014, when filling of the reservoir will begin. Taking a reservoir out of service beginning in September allows reservoir water to be used to meet peak summer demand. Construction at McClure Dam will begin September 1, 2014 and be substantially completed in late spring 2015 when subsequent filling of the reservoir will begin. Reservoir refilling in late spring allows the capture of late spring runoff from the Santa Fe River watershed.

Why do the reservoirs have to be drained?

Water in the reservoirs must be drained for the removal of the existing intake towers. New concrete intake structures will be constructed from the bottom of the dams to the crest of the dams on the upstream face of the dam embankments.

What will happen to the water being drained from McClure Reservoir?

A reservoir management plan has been developed to maximize the treatment and delivery of water to Santa Fe customers, meet target flows under Santa Fe's 'living river' program, supply acequias, and fill Nichols Reservoir. The reservoir management plan will be adjusted based on watershed runoff projections, weather conditions, precipitation, and availability of other water supply sources such as the Buckman Direct Diversion Project, Buckman Well Field, and customer's water demand.

How quickly will McClure Reservoir be drained?

Currently, McClure Reservoir is 70% of total storage capacity. It is anticipated it will take until late summer to drain McClure Reservoir. The Office of State Engineer recommends the City Water Division draw down only 1 foot in elevation of water storage capacity per day to avoid damage in the earthen dam embankment such as sloughing. As the surface water area shrinks, the releases from McClure Reservoir will slow down.

What will happen to the fish in the reservoir?

Fish will be salvaged to the extent possible and transferred to Nichols reservoir to replace the fish which were moved from Nichols Reservoir to McClure Reservoir last year.

Will customers experience water shortages?

No. McClure Reservoir water will continue to be used throughout the summer, with the majority used as drinking water. The City has additional water sources including the Buckman Direct Diversion Facility, the Buckman Production Wells and the wells within the City limits. Even without the reservoirs and continuous drought, the City can still meet customer water demand during the peak demand of the summer months.

How much water do we get from the Santa Fe River Watershed and reservoirs?

The Santa Fe River watershed provides up to 40% of Santa Fe's drinking water. The reservoir storage allows water to be used as needed to meet water demand.

- McClure Reservoir holds 3,257 acre feet of water or 1,061 million gallons when completely full.
- Nichols Reservoir holds 684 acre feet of water or 223 million gallons when completely full.

What happens if there is a wildfire in the watershed, the Buckman Direct Diversion isn't operational due to low flows on the Rio Grande, or another heavy rain storm similar to the rain events last fall?

The City Water Division has planned for worst-case scenarios and has the flexibility to use a combination of different water sources and water saved from the community's response to water conservation efforts, particularly during peak demand.

Can work at McClure Dam be postponed?

Postponing the intake structure replacement offers no benefit. The longer it takes to replace the intake structure, the higher probability that costly repairs to outdated facilities will be required. The degradation of the functionality of the intake structure will also result if replacement is postponed putting the water supply and dam safety at greater risk.

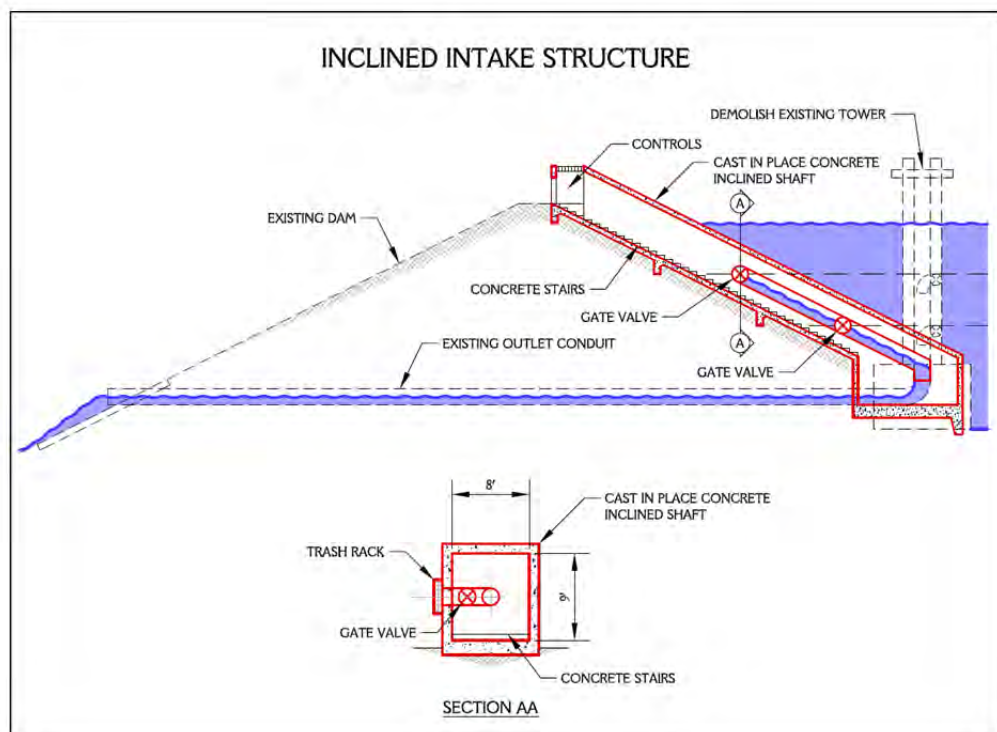
Where can I find more information?

The City provides daily information on water production, reservoir capacity, and total system storage at http://www.santafenm.gov/daily_water_production_reports.

For drought management information and water conservation, please visit www.savewatersantafe.com.



Nichols Inclined Intake Tower Structure



Schematic Showing How Inclined Intake Structure Functions



Nichols Vertical Intake Tower Prior to Construction



Nichols Vertical Tower Demolition on November 15, 2013

00000009500123456781234567894

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CUSTOMER
JANE DOE

5

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7

8

ACCOUNT NUMBER
000-111111-0111111

BILLING PERIOD
07/01/12 TO 08/29/12

DAYS
50

SERVICE ADDRESS
215 SEASHELL DR

ZIP
23455

ACCOUNT SUMMARY

Amount of Last Bill 145.41

Last Payment Received 145.41

Adjustments 0.00

Balance Forward 0.00

Current Charges

Storm Water 14.22

Water Supply 72.58

Service Availability 6.55

Utility Tax 5.90

Sanitary Sewer Service 48.22

Sol. Up Fee 0.00

Solid Waste Collection 19.40

9

10

11

Current Charges 168.84

TOTAL AMOUNT DUE 168.84

DUE DATE 28-SEP-2012

Due date applies to current charges only.
To avoid a \$1.50 late fee, all charges must be paid by due date.

MESSAGES

CITY OF VIRGINIA BEACH

PUBLIC UTILITIES and PUBLIC WORKS

Combined Services Statement



13

14

15

Bill Date: 08-29-2012

Water Meter Reading			Water Consumption	
Meter Type	Present	Previous	Hundred Cubic Feet	Thousand Gallons
RWTR	1,175	1,153	22	18.45

RWTR - Residential Water
CWTR - Commercial Water
MWTR - Multi-Family Water
GWTR - Government Water

HYDR - Portable Hydrant
FM - Fire Meter
FL - Fire Line
IM - Irrigation Meter

CUSTOMER SERVICE

INQUIRIES	PAYMENT LOCATIONS
Monday - Friday 8 a.m. - 5 p.m.	TREASURER'S OFFICES: (cash, check, Visa, Discover, MC, AMEX or money order) • Pamboke One, Suite 102 281 Independence Blvd • 5340 Fairfield Shopping Center • 401 19th Street Municipal Center, Building 1
TELEPHONE: (757) 365-4631 1-866-697-3481	PUBLIC UTILITIES OFFICE: (check or money order only) Municipal Center, Building 2 2405 Courthouse Drive Virginia Beach, VA 23458
TTY: 711	
PUBLIC UTILITIES WEB SITE: vbgov.com/ups	
STORM WATER WEB SITE: vbgov.com/swp	
PAY ONLINE: vbgov.com/online_payments PAY BY PHONE (credit card only): 1-800-674-3384	

12

Important messages about your bill and our services appear in this section.

Please make checks payable to City Treasurer and return this portion with your payment. Thank you.



CITY OF VIRGINIA BEACH

PUBLIC UTILITIES and PUBLIC WORKS

Combined Services Statement

BALANCE FORWARD	0.00
Current Charges	168.84
TOTAL AMOUNT DUE	168.84
Account No. 000-111111-0111111	Amount Enclosed

5

SERVICE ADDRESS: 2608 SEASHELL DR ZIP: 23455

0073 0000012864 0001111101111112

Please do not write in this area of your bill.

17

JANE DOE
215 SEASHELL DR
VIRGINIA BEACH VA 23455-2558



18

Mail to: City Treasurer
Municipal Center, Bldg. 1
2401 Courthouse Drive
Virginia Beach, VA 23458-9019

19

2 Questions?
Call Service Regina at 306-777-7000 weekdays from 8 a.m. - 4:45 p.m.,
visit Regina.ca, or email service_regina@regina.ca

Moving?
Visit us at expressaddress.com

1 Account Number:
274175 - 319034
FIRST NAME LAST NAME
321 SERVICE ADDRESS
Bill issued: 04-FEB-2013

3 Account Summary

Balance from Previous Bill	\$164.95
Payment received JAN 11/13 - Thank You	-164.95
Balance Forward	\$0.00
Total New Charges	\$100.08
Total Due	\$100.08

Bill Cycle: 002

4 Important Messages

PAYMENT DUE UPON RECEIPT OF BILL
Late Payment Charges of 1.25% will be assessed after
03-MAR-2013 on current charges

The fee for recycling service has been added to your bill.

5 Details of New Charges

Water Charges (Service #1)

Daily Base Charge:	\$0.62 x 31 days	\$19.22
Consumption Charge:	\$1.47 x 17.639 M3	\$25.93

Sewer Charges

Daily Base Charge:	\$0.48 x 31 days	\$14.88
Sewer Calculation:	\$1.32 x 17.639 M3 x 82%	\$19.09

Storm Drainage Charges (0 - 1,000 m2)

Daily Base Charge:	\$0.41 x 31 days	\$12.71
--------------------	------------------	---------

Recycling Charges

Daily Base Charge:	\$0.25 x 33 days x 1 service(s)	\$8.25
--------------------	---------------------------------	--------

Total New Charges \$100.08

Water Use Details

6

Service	Meter Number	Service Class	Meter Size	Reading Type	Previous Reading	Present Reading	Days	Usage
1	55151566	Residential	5/8" (15mm)	Estimate	03-JAN-2013 1617.322	03-FEB-2013 1634.961	31	17.639 M3

CUSTOMER'S COPY - KEEP THIS PORTION FOR YOUR RECORD

E & O E



27417531903400010008

000274175

31 9034 040213

100.08



7 FIRST NAME LAST NAME
123 MAILING ADDRESS
REGINA SK S4R0B1

Account Number:	274175 319034
Service Address:	321 SERVICE ADDRESS
Total Amount Due	Amount Paid
\$100.08	

MEMORANDUM

TO: City of Santa Fe Public Utilities Committee
City of Santa Fe Water Conservation Committee
Buckman Direct Diversion Board

FROM: Rick Carpenter, Water Resources and Conservation Manager *RC*

VIA: Nick Schiavo, Acting Public Utilities Department and Water Division Director *NS*

DATE: June 20, 2014

SUBJECT: 34th Monthly Update on Drought and Water Resource Management

CURRENT UPDATE – GENERAL WATER RESOURCE MANGEMENT

As the Committee/Board is aware, our region is still suffering through a drought. Our region has gone through three consecutive years of record drought and heat. It is now apparent that we are in a fourth consecutive year of drought and abnormal heat and wind which will present significant challenges to all water purveyors, utilities, and irrigators going forward into the rest of this year. Weather prediction models had indicated that, at least through the early part of this summer, if not longer, drought conditions in the southwest (especially Arizona and New Mexico) should be neutral to below average precipitation and above average temperatures. There may be some relief in north-central New Mexico. However, many models are now predicting the likelihood of a return of an El Nino weather pattern (75% chance). This could mean increased precipitation for the coming monsoon season, but more likely for the winter months (snow pack). New data show that the water in a section of the ocean called the “El Nino 34” region in the mid-Pacific has reached the +0.5 degree Celsius threshold, typically used to define the start of an El Nino pattern. That figure would have to persist or intensify for the next 5 or 6 months for an El Nino to officially be declared – but there is a very good chance of this happening. Fire season is also expected to be very challenging which could have significant water quality implications for the BDD water treatment plant and/or Canyon Road water treatment plant.

This current drought is bad, but what sets it apart from previous extreme droughts is that, the region will enter into summer without very much carry-over water from the previous year in regional reservoirs – they are at low levels (except for the local McClure reservoir in Santa Fe). For example, Heron reservoir (San Juan-Chama Project water) is currently at about 31% of capacity. However, runoff from the San Juan watershed is substantial and accumulation into Heron from this year’s snow pack is on the rise. BoR is predicting that SJCP contractors should receive at least 85% of normal deliveries (if not more).

It is worth noting, however, the City of Santa Fe has invested in a robust and diverse portfolio of four distinct water supply sources that allows for flexibility in meeting demand: Buckman well field, City well field, Canyon Road Water Treatment Plant on the Upper Santa Fe River, and the Buckman Direct Diversion on the Rio Grande. Supply from these groundwater and surface water sources are expected to be adequate in meeting local demands through the coming high-demand season.

LOCAL CONDITIONS

Source of Supply Utilization Summary

May 2014

City Wells	08.98mg/m	27.57af/m
Buckman Wells	0.00mg/m	0.00af/m
CRWTP	72.27mg/m	221.81af/m
BRWTP	238.39mg/m	731.59 af/m
<i>Other Wells(Osage, MRC, etc)</i>	<i>0.08mg/m</i>	<i>0.24af/m</i>

Upper Santa Fe River/CRWTP

	Total Combined Reservoir Level	Santa Fe Snow Gage	Reservoir Inflow
June 19, 2014	31.90%	0.00 inches	3.23 MGD
5-Year Average for This Date (2009 – 2013)	65.11 %	0.008 inches	3.60 MGD

As of June 19th, and due to the heavy rains in mid-September and some minor winter snow storms, total combined storage in Nichols and McClure reservoirs is up to 31.9% (or about 1,250 acre-feet of storage). Flows are being by-passed due to construction on the new intake facilities. Inflows are expected to continue for the near future and so the reservoirs have been releasing water to allow for acequia deliveries, water treatment plant production, active construction, and draining/drying.

Buckman Regional Water Treatment Plant

Flows in the Rio Grande are relatively low but the BDD Project is able to divert water. Turbidity and suspended solids are relatively low and raw water quality is good. Flows in the Rio Grande were temporarily increase over the second and third week of May to mimic snow melt runoff in order to create advantageous conditions for silvery minnow spawning, and there was a natural spike in flows due to snow melt in early June. As of the date of this memo, Wild Earth Guardians has not filed any legal suites pursuant to their recently filed notices of intent to sue. The seasonal minnow spawn has been good.

REGIONAL CONDITIONS

Rio Grande Basin

Surface flows in the Rio Grande and its tributaries have been well below normal, (except for temporary releases for the silvery minnow spawn), storage levels in regional reservoirs are very low currently. Native flows in the Rio Grande will likely be low to very low through the spring summer, and fall.

San Juan Basin

It should be stressed that, conditions could significantly worsen for San Juan Chama Project deliveries next year, if the drought persists, due to a lack of carry-over storage in Heron Reservoir and other reservoirs in the system. Heron Reservoir is currently at a very low level of 31% of capacity for this time of year. The Bureau of Reclamation has recently indicated that it is very likely that SJCP deliveries this year will be at or near 85% (if not higher) due to good snow pack in the San Juan watershed, high soil moisture, and the storage that was already in Heron at the beginning of the snow melt season.

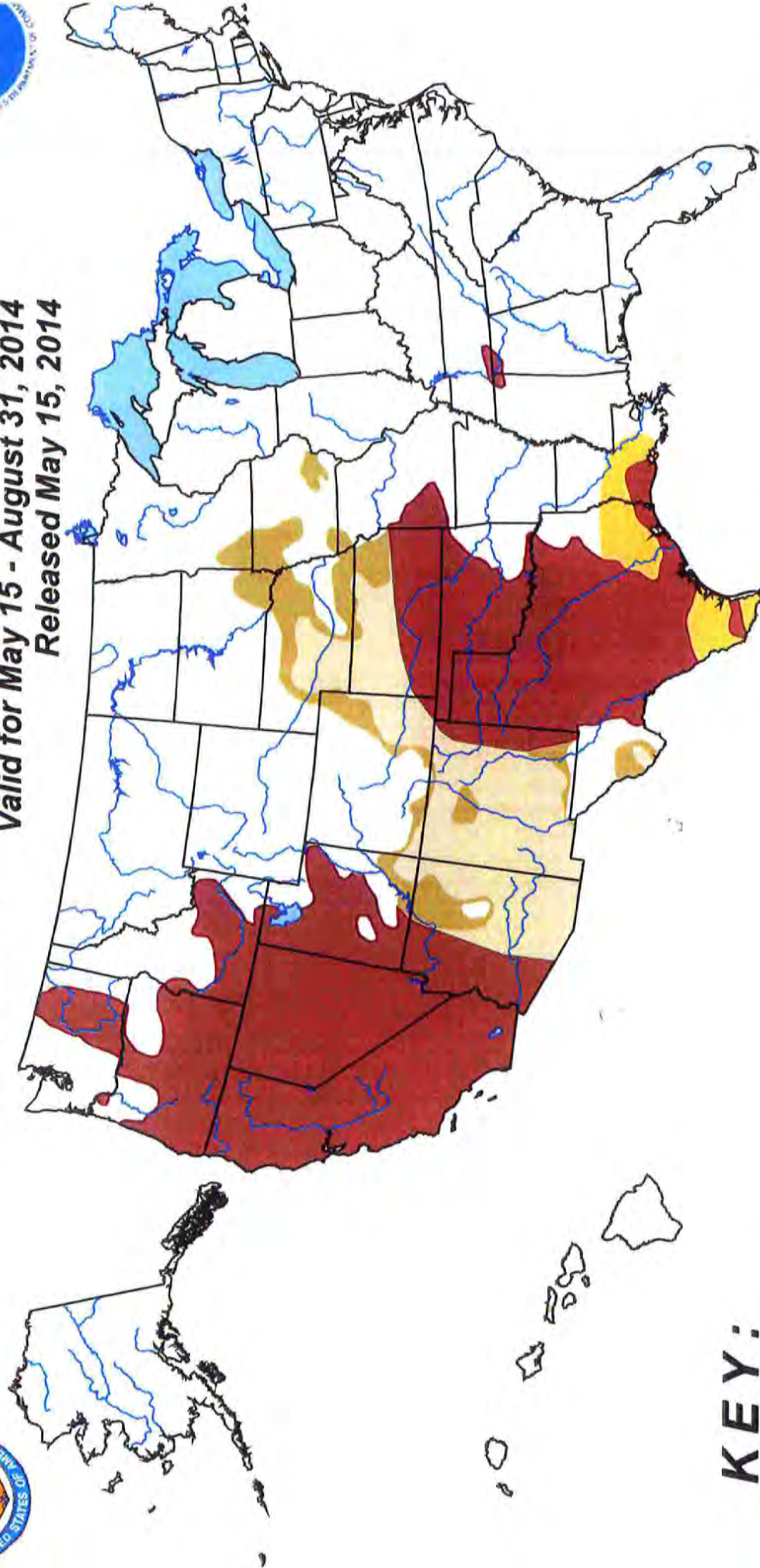


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for May 15 - August 31, 2014

Released May 15, 2014



KEY:

 Drought persists or intensifies

 Drought remains but improves

 Drought removal likely

 Drought development likely

Author: Rich Tinker, Climate Prediction Center, NOAA

http://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.html

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity).

For weekly drought updates, see the latest U.S. Drought Monitor.

NOTE: The tan area areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period although drought will remain.


The Green areas imply drought removal by the end of the period (D0 or none)




City of Santa Fe, New Mexico

memo

Date: June 20, 2014

To: Water Conservation Committee

From: Caryn Grosse, Water Conservation Specialist 

Via: Laurie Trevizo, Water Conservation Manager 
Rick Carpenter, Water Resources and Conservation Manager 
Nick Schiavo, Public Utilities Department and Water Division Director 

RE: 12th Annual Children's Poster Contest Theme Selection

Background:

Each year, the Water Conservation Office holds a contest for 1st through 6th graders to submit posters with a water conservation message. The winning entries are featured in the Water Conservation Calendar for the next year. The Calendar is one of the Water Conservation Office's most requested items; in 2014 nearly 5,000 were distributed (up from 4,000 in previous years) making this one of the most successful water conservation programs.

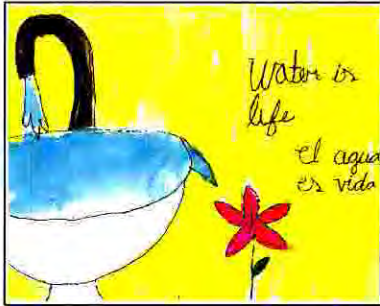
Request:

The Water Conservation requests that Water Conservation Committee make suggestions during the July 8, 2014, meeting for themes which might be used for the 12th Annual Poster Contest and to select (3) potential themes from those ideas. Ideas for activities to go along with the theme should also be considered, to assist the teachers with tying this activity into their curriculum and lesson plans.

Keep in mind that students find some ideas are easier to translate into a graphic message than others; while the Water Conservation Office does not wish to discourage anyone's idea, students will be encouraged to create images which do NOT include depictions of the earth. Trademarked and/or copyrighted materials, including reproduction of popular cartoons, are prohibited. The posters will be judged on:

- creativity
- design
- clarity
- water conservation message

The Grand Prize images, themes and deadlines from the last few years have been provided on the following page to aid in generating ideas for themes.



11th Annual Poster Contest (2014)

Theme: Saving Water is Always in Season!

Submittal Deadline: December 13, 2013

Judging: January 24, 2014

Awards Presentation: April 30, 2014

Grand Prize Winner: Molly Murphey, 4th grade, La Mariposa Montessori



10th Annual Poster Contest (2013)

Theme: Show Us Your Water Appreciation

Submittal Deadline: March 15, 2013

Judging: March 26, 2013

Awards Presentation: May 8, 2013

Grand Prize Winner: Tristen Lujan, 3rd grad, La Mariposa Montessori



9th Annual Poster Contest (2012)

Theme: Living in a Drought!

Submittal Deadline: March 23, 2012

Judging: March 29, 2012

Awards Presentation: June 13, 2012

Grand Prize Winner: Sabrina De Domenico, 6th Grade, Santa Fe School for the Arts and Sciences



8th Annual Poster Contest (2011)

Theme: Fix a Leak

Submittal Deadline: March 25, 2011

Judging: March 31, 2011

Awards Presentation: May 11, 2011


Grand Prize Winner: Alicia Stewart, 6th Grade, Santa Fe School for the Arts and Sciences


City of Santa Fe, New Mexico

memo

Date: June 25, 2014

To: Water Conservation Committee

From: Laurie Trevizo, Water Conservation Manager 

Via: Rick Carpenter, Water Resources and Conservation Manager 
Nicholas Schiavo, Public Utilities Department and Water Division Director

RE: Debrief of "Innovation in Urban Water Systems" San Francisco Public Utilities

Background: The State of California is in an extreme drought situation and as a response to these conditions San Francisco Public Utilities has organized a technical meeting to host different agencies to discuss challenges and strategies for reducing demand, water reuse, new technologies and conservation. The meeting was held May 29-30, 2014.

This was an invitation only technical meeting, and the City of Santa Fe Water Conservation Office was able to accept the invitation to attend. Other agencies that participated included: States of Minnesota, Hawaii, Washington and Oregon, City of Atlanta, Metropolitan Sewer District of Greater Cincinnati, EPA: Office of Research and Development, Milwaukee Metropolitan Sewerage District, New York City, City and County of San Francisco, City of Santa Monica, City of Santa Rosa, CA and City of Seattle.

Purpose: The technical meeting was to share knowledge and lessons learned on managing water supplies (both potable and non-potable) and controlling stormwater as an opportunity of scaling on-site water reuse systems in other cities and states. The strategies identified in the meeting will be translated into a Blueprint "How-To" Guide to assist public agencies in advancing on-site water reuse across the country. The how-to-guide will be prepared by Water Environment Research Foundation and will be published Fall 2014.

The workshop offered many opportunities to discuss the potential of expanding, primarily reuse water, to other applications. The outcomes of the breakout groups were easily divided into two aspects; the need to maintain public health and safety vs. managing existing limited supplies in times of need, such as prolonged drought.

Next Steps: The group devised a few overall outcomes from the 2 day workshop.

- Finalize the how-to-guide called "The Blueprint for Innovation in Urban Water Systems: Expanding Onsite Water Treatment Systems." This guide will serve as a way to develop programs for managing and overseeing onsite water treatment systems for non-potable applications. The Blueprint will provide policy, planning guidelines and insights to offer incentives for these programs.
- Establish a Water Quality Framework. Public health officials were concerned about establishing appropriate standards and water quality monitoring but find a way to not be overly restrictive; recognizing the fact that permitting the projects will need to be established and identify which agency will provide oversight. In the future, public health officials will meet to create a set of guidelines and standards which local agencies can consult when developing onsite water treatment systems in their communities.



City of Santa Fe NEWS RELEASE

www.santafenm.gov



FOR IMMEDIATE RELEASE

June 12, 2014

Contacts: Laurie Trevizo, Water Conservation Manager; 505-955-4223; ltrevizo@santafenm.gov
Jodi McGinnis Porter; Public Information/Multi-Media Administrator; 505-795-4169, jporter@santafenm.gov

Water Conservation Committee to Offer Drought Survival Presentations

SANTA FE, NM _The Water Conservation Committee is offering the community free in-depth presentations on the sources of water the City uses to meet public demand and provide fire suppression; drought management; ways to use water more efficiently; and rebates or incentives for home and businesses. The City of Santa Fe Water Conservation Committee assists the Water Conservation Office and City Council with policy recommendations and evaluates specific programs related to water conservation.

Two presentations will be held:

- Tuesday, June 17, 2014, 6 pm
Southside Library Community Room
6599 Jaguar Drive
- Thursday, June 19, 2014, 6 pm
Main Library Community Room
145 Washington Avenue

City Councilor and Water Conservation Committee Chair, Peter Ives, states, "Water conservation is obviously part of our collective conscious as demonstrated by the downward trend of how many gallons of water Santa Feans use on a daily basis and the increased number of people taking advantage of our rebate programs. By providing detailed information and encouraging two-way discussions, the presentations are another proactive tool to help us limit the impact of the continuing drought." For more information on the drought, water saving tips and rebates, visit www.savewatersantafe.com.
Drought On. Water Off.

#30#



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International Code Council and Canadian Standards Association

JOINT CONSENSUS COMMITTEE ON RAINWATER COLLECTION SYSTEM DESIGN AND INSTALLATION (IS-RCSDI)

*BSR/CSA/ICC 805-201x, Standard for Rainwater
Collection System Design and Installation*

MEETING #2: DETAILS

Date

June 17, 2014 - 8:30 AM to 5:00 PM EDT &
June 18, 2014 – 8:30 AM to 2:00 PM EDT

Teleconference

1-866-946-0852 (toll free) or 1-646-216-4900 PIN: 46412229#

Location

CSA Standards
5060 Spectrum Way
Mississauga, ON L4W 5N6 CANADA

WebMeeting

<http://iccsafe.adobeconnect.com/rcsdi/>

(Click the link & login as Guest)

Secretariats

[Shawn Martin](#), ICC, [Paul Gulletson](#), CSA

Public Project Website

www.iccsafe.org/is-rcsdi

MEETING #2: AGENDA (TENTATIVE)

Day 1: Full Committee - General Discussion, Task Force Reports and Task Force Breakouts 8:30 am – 5 pm

1. (8:30 – 9:30 am) Call to Order
 - a. Opening Remarks
 - b. Quorum
 - c. Approval of Agenda
 - d. Approval of Minutes from Meeting #1
 - e. Membership Review
 - f. Report on Outstanding Action Items
2. (9 am – noon) Task Force's Reports, discussion and committee feedback
 - a. Controls Task Force
 - i. Discussion and Feedback
 - b. Source Water Task Force
 - i. Discussion and Feedback
 - ii. What sources shall be included?

Day 2: Task Forces – Reports and Committee Decisions 8:30 am – 2:00 pm

5. (8:30am – 9:00am)
Recommendations from Source Water Task Force on definition of Rainwater and Storm water and reach consensus on definition of rainwater and storm water.
6. (9:00am – 11:30am) Task force reports and discussion; decisions and direction.
 - a. Source Water Task Force
 - b. Storage Task Force
 - c. Treated Water Quality Task Force
 - d. Controls Task Force
7. (11:30am – noon) Task Force Assignments and identify new task groups needed

- c. Storage Task Force
 - i. Discussion and Feedback
 - d. Treated Water Quality Task Force
 - i. Discussion and Feedback
 - ii. What end uses and water quality is required?
 - 3. (1 – 1:45 pm) Introduction and discussion of the proposed format for the Standard
 - 4. (1:45 – 5pm) Task group breakout sessions. Further develop content and recommendations and start to put language in standard.
 - a. Develop specific recommendations to present to the committee as a whole the following morning,
 - b. consider and address feedback from committee as whole provided in item 2, and
 - c. identify areas that may cross over task groups to ensure they are coordinated.
 - 8. (1 – 1:30pm) Review of Project Schedule
 - 9. (1:30 – 1:45) Date & Location of Next Meeting; bring your calendars.
 - 10. (1:45 – 2:00) Closing Remarks and Adjournment


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News & Press: ARCSCA PRESS RELEASE

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FIRST EDUCATIONAL INSTITUTION TO ACCREDIT RAINWATER HARVESTERS NATIONALLY

Thursday, June 12, 2014 ([0 Comments](#))

Posted by: Melonie Walter

[Share](#) |

FOR IMMEDIATE RELEASE – June 12, 2014

The American Rainwater Catchment Systems Association (www.ARCSCA.org, 501(c)3 tax-exempt nonprofit) is the preeminent national educational and technical organization offering accreditation for rainwater-harvesting professionals. Today, ARCSCA proudly announces its first partner in that effort—Santa Fe Community College (www.sfcc.edu)—whose 16-week course, "Active Water Harvesting and Distribution Systems" surpassed the curriculum requirements, including lessons on the latest design and installation standard - ARCSCA/ASPE/ANSI Standard 63-2013. To formalize the occasion, a Memorandum of Understanding was signed by Interim SFCC President Randy Grissom and ARCSCA's President David Crawford.

ARCSCA's mission is to promote sustainable rainwater harvesting practices to help solve potable, non-potable, stormwater and energy challenges throughout the world. Santa Fe Community College is the first of what ARCSCA hopes are many nationwide educational providers that will work with ARCSCA toward common goals.

The straight-forward agreement requires no financial or administrative fees from Santa Fe Community College to ARCSCA; students seeking accreditation will pay the appropriate fees and interact directly with ARCSCA for membership, examination, administration and continuing education; those students will be required to purchase the current ARCSCA manual for the open-book exam; and both organizations will benefit from broad recognition of their contributions to help solve the world's growing water problems.

ARCSCA is gathering funds, experts and technical writers to create a comprehensive new national rainwater-harvesting manual and is soliciting [tax-deductible donations](#) for that and general operational purposes. In addition, we have many sponsorship and advertising opportunities.

For more information, please contact Heather Kinkade, Executive Director ARCSCA, at 512-617-6528 or info@arcscs.org.

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6/12/2014
FIRST EDUCATIONAL INSTITUTION TO ACCREDIT RAINWATER HARVESTERS NATIONALLY

6/9/2014
SPECIAL REPORT: Counting Each Drop: Corporate Concern Mounts About Water Supplies

CALENDAR [MORE](#)

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 ARCSCA Accredited Professional (AP) Workshop, Richmond CA

7/10/2014 » 7/11/2014
 ARCSCA Accredited Professional (AP) Workshop, Santa Barbara

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Tempe, AZ 85284-1673	Email: info@arcscs.org



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Working Group 1**Issue: Updating Water Conservation and Drought Management Plan (WC&DMP)**

Strategic Goal	Working with WC staff, update and improve the WC&DMP to be submitted to the OSE in 2015, with special emphasis on strategic planning
Objectives	Mark up existing document, enhancing section on future programs
Tasks	<ul style="list-style-type: none">• Determine overall document review/update approach with WC staff• Identify timeline and deliverables, update as necessary• Review and comment on existing WC&DMP on a page-by-page basis• Expand Chapter 5 of WC&DMP to include a strategic approach to guide future decisions on water conservation programs
Members	Lisa Randall, Doug Pushard, Bill Roth, Grace Perez, Laurie Trevizo, Caryn Grosse, Contractor tbd
Notes	<ul style="list-style-type: none">• Page-by-page review completed 2013• Draft Guiding Principles circulated to WCC for comments• Sent request for high priority projects to each working group• New format based on OSE format to be used in 2015 version
Reference Material	<ul style="list-style-type: none">• City of Santa Fe Water Conservation and Drought Management Plan, Sangre de Cristo Water Division, November 2010• Water Use in Santa Fe, Water Division, City of Santa Fe, July 2009• 2013 Annual Water Report, Water Division, City of Santa Fe, to be published• Santa Fe County Water Conservation Plan, Treviso, et al., 2010• Climate Change and the Santa Fe Basin: A Preliminary Assessment of Vulnerabilities and Adaptation Alternatives, Lewis, et al., February 2013
Next Steps	<ul style="list-style-type: none">• Contractor being hired to drive the process
Fiscal Impact	To be determined

**Proposed Table of Contents for
2014 Update of
City of Santa Fe Water Conservation And Drought Management Plan
Prepared by CRVogel Consulting, LLC**

New TOC	Where existing information is located
1. Overview	
1.1. Purpose of Water Conservation Plan	1.1 The Purpose of This Report
1.2. Santa Fe's Leadership in Conservation	1.2 Santa Fe's Leadership in Conservation
1.3. How this Plan is organized	1.3 How this Plan is organized
1.4. Planning Team	New
1.5. Public Involvement	5.4 Water Conservation Committee
2. Local Conditions	
2.1. Demographics	1.6 Background (mostly new)
2.2. Housing	1.6 Background (mostly new)
2.3. Temperature and Precipitation	1.6 Background (mostly new)
2.4. Map of Service Territory	New
2.5. Supporting Water Plans	1.4 Long-Range Water Supply Plan (update to include climate change here and/or in 2.6), 1.5 OSE Mandated 40-Year Plan Sections 3.2-3.7 New Regional Water Plan Other TBD
2.6. Water Supply Overview	1.6 Background (update)
3. Assessing Public Water Supply Performance - Per Capita Water Demand	
3.1. Total System Per Capita	1.7 Per Capita Demand (updated)
3.2. Inputs from Census	Santa Fe's 2013 GPCD/NMOSE Calculator
3.3. Single Family Residential Per Capita	Santa Fe's 2013 GPCD/NMOSE Calculator
3.4. Multi-Family Per Capita	Santa Fe's 2013 GPCD/NMOSE Calculator
3.5. Industrial, Commercial, Institutional Per Capita	Santa Fe's 2013 GPCD/NMOSE Calculator
3.6. Other Metered	
3.7. Reuse	
4. Assessing Public Water Supply - Water Loss	City of Santa Fe Water Audit 2008 Summary
4.1. Summary of 2008 AWWA Water Audit	New /City of SF Water Audit 2008 Summary
4.2. Estimates of water loss based on GPCD	New /GPCD Calculator
4.3. Priority Areas for Attention	New (recommend implementing AWWA audit in future updates)

5. Water Conservation Goals	1.7.1 Target Per Capita Water Demand and 2.1Water Conservation Program Purpose, Goals and Objectives
6. Santa Fe's Water Conservation Program	
6.1. Introduction to Water Conservation Program	2.2 Water Conservation Program Elements
6.2. Programs Through 2014	
6.2.1. Ordinances and Codes to Encourage Conservation	2.2.1 Ordinances and Codes to Encourage Conservation
6.2.2.Water Efficient Fixtures and Appliances	2.2.2 Water Efficient Fixtures and Appliances, Including Toilets, Urinals, Showerheads, and Faucets and 2.2.9 Incentives to Implement ...
6.2.3.Low-Water-Use Landscaping and Efficient Irrigation	2.2.3 Low-Water-Use Landscaping and Efficient Irrigation
6.2.4.Water Efficient Commercial and Industrial Water Use Processes	2.2.4 Water-Efficient Commercial and Industrial Water Use Processes, 5.1 Classification Study of Commercial Accounts, and Commercial Process Efficiency Program
6.2.5. Water Reuse System for Potable and Non Potable	2.2.5 Water Reuse System for Potable and Non Potable
6.2.6.Distribution System Leak Detection and Repair	2.2.6 Distribution System Leak Repair
6.2.7.Public Education Programs	2.2.7 Dissemination of Information....
6.2.8.School Education Programs	2.2.7 Dissemination of Information....
6.2.9.Water Rates	2.2.8 Water Rate Structures Designed to
6.3. Future/Proposed Water Conservation Efforts	New and 5.5 Future Programs
6.3.1.Ordinances and Codes	
6.3.2.Water Efficient Fixtures and Appliances	
6.3.3. Low-Water-Use Landscaping and Efficient Irrigation	
6.3.4.Water Efficient CII Programs	
6.3.5.Water Reuse	
6.3.6.Distribution System Leak Detection and Repair	
6.3.7.Public Education Programs	
6.3.8.School Based Education Programs	
7. Drought Management Plan	3. Drought Management Plan
7.1. History of Drought in Santa Fe	3.1.1 Implementation of Emergency Water Regulations
7.2. Emergency Water Regulations	3.1 Emergency Water Regulations

6/30/2014

7.3. Enforcement of Emergency Water Regulations	3.1.2 Enforcement of Emergency Water Regulations
7.4. Conjunctive Management of Surface and Groundwater	<i>Not sure sections 6.4-6.10 (previously 3.2-3.7) are needed or move to 2.2.</i>
7.5. <i>Sustainable Management of City's Groundwater Resources</i>	
7.6. <i>Storage of SJC Water</i>	
7.7. <i>Additional Water Supply Projects</i>	
7.8. <i>Municipal Reservoir Management</i>	
7.9. <i>Target Flows in the Santa Fe River</i>	
7.10. <i>Treated Effluent for Irrigation</i>	
8. Quantitative Evaluation of Water Conservation Measures	5.3 Quantitative Evaluation of Water Conservation Measures
9. Conclusions	

Reminder from the Stenographers:

- 1) Please do not talk over each other. The Chair will recognize those who wish to speak.
- 2) Please provide a hard copy of group reports for inclusion in the packet.
- 3) Please be mindful of the time allotted for your agenda item(s). This is respectful of others who also have items to present.
- 4) During presentations, please save questions for the Q&A period at the end. This allows the presenter to complete the presentation in the time allotted, as well as making it easier for the stenographer to capture the questions and answers in case follow up is needed.
- 4) Please refrain from having side conversations during the meeting. These conversations distract others and make it difficult for the stenographer to capture what is being presented and/or discussed in the meeting.
- 5) Always remember that you are "on record" throughout the meeting.