



Agenda DATE 1/4/17 TIME 12:24

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SANTA FE WATER CONSERVATION COMMITTEE MEETING
CITY HALL - 200 LINCOLN AVE.
CITY COUNCILORS' CONFERENCE ROOM
January 10, 2017
4:00 PM TO 6:00 PM

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF MINUTES FROM THE DECEMBER 13, 2016 MEETING

ACTION ITEMS:

5. WATER CONSERVATION SCORECARD (Christine Chavez, 60 minutes)

INFORMATIONAL ITEMS:

6. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS
 - A. GROUP A - Irrigation Rebate and QWEL (5 minutes)
 - B. GROUP B - Expansion of the K-12 Education Program (5 minutes)
 - C. GROUP C - Scorecard (5 minutes)
 - C. GROUP D - Water Conservation Codes, Ordinances and Regulations (5 minutes)

MATTERS FROM PUBLIC:

MATTERS FROM STAFF:

MATTERS FROM COMMITTEE:

NEXT MEETING - TUESDAY FEBRUARY 7, 2017:

CAPTIONS: JANUARY 23, 2017 @ 3 PM.

PACKET MATERIAL: JANUARY 25, 2017 @ 3 PM.

ADJOURN.

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

SANTA FE WATER CONSERVATION COMMITTEE
MEETING INDEX
December 13, 2016

Item		Page
Call to Order	Councilor Peter Ives, Chair of the Water Conservation Committee called the meeting to order at 4:02 p.m. at the Water Division Conference Room.	1
Roll Call	A quorum was established at 4:05 p.m.	1
Approval of Agenda	Mr. Wiman moved to approve the agenda as presented, with a second from Mr. Coombe which was approved by voice vote.	1
Approval of Minutes from the November 15, 2016 WCC Meeting	Ms. Randall moved to approve the minutes of November 15, 2016 as presented with a second from Mr. Kauffman which passed by voice vote.	1
INFORMATIONAL ITEMS: <ul style="list-style-type: none"> • SOURCE OF SUPPLY • INTEGRATED WATER STRATEGIES • STORM WATER IRRIGATION: A COMPARISON OF SOIL MOISTURE A CURB CUTS WITH AND WITHOUT RAIN GARDENS • GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS <ul style="list-style-type: none"> ○ GROUP A Irrigation Rebate and QWEL ○ GROUP B Expansion of the K-12 Education Program ○ GROUP C Scorecard ○ GROUP D Water Conservation Codes, Ordinances and Regulations 	Discussion Only	2,3 3 3 4 4 4 4
MATTERS FROM THE PUBLIC	Discussion Only	4
MATTERS FROM STAFF	Discussion Only	4
MATTERS FROM COMMITTEE	Discussion Only	4,5
NEXT MEETING: Tuesday January 10, 2017 Captions: December 27, 2016 @ 3:00 p.m. Packet Material: December 28, 2016 @ 3:00 p.m.	Discussion Only	5
ADJOURN	There being no further business to come before the Santa Fe Water Conservation Committee the meeting was adjourned at 6:05 p.m.	5
SIGNATURES		5

SANTA FE WATER CONSERVATION COMMITTEE MEETING
City Councilor's Conference Room
200 Lincoln Ave.
December 13, 2016
4:00 p.m. to 6:00 p.m.

1. CALL TO ORDER

Councilor Peter Ives, Chair of the Water Conservation Committee called the meeting to order at 4:02 p.m. at the Water Division Conference Room. A quorum was established at 4:05 p.m.

2. ROLL CALL

PRESENT:

Councilor Peter Ives, Chair
Lisa Randall
Stephen K. Wiman
Robert D. Coombe
Aaron T. Kauffman
Doug Pushard
Tim Michael
Justin Lyon
Bill Roth

NOT PRESENT/EXCUSED:

OTHERS PRESENT:

Christine Y. Chavez, City of Santa Fe Water Conservation Manager
Lisa Noriega, City of Santa Fe Water Conservation
Caryn Grosse, City of Santa Fe Water Conservation Specialist
Alex Puglisi, City Water Division
Andy Otto, Santa Fe Watershed
Linda Vigil for Fran Lucero, Stenographer

3. APPROVAL OF THE AGENDA

MOTION: Mr. Wiman moved to approve the agenda as presented, with a second from Mr. Coombe which was approved by voice vote.

4. APPROVAL OF MINUTES November 15, 2016 WATER CONSERVATION COMMITTEE MEETING

MOTION: Ms. Randall moved to approve the minutes of November 15, 2016 as presented with a second from Mr. Kauffman which passed by voice vote.

INFORMATION ITEMS

5. SOURCE OF SUPPLY – Alex Puglisi

Mr. Puglisi presented the drought monitor report (See Exhibit A). The map shows the city is below normal right now, hopefully there will be more precipitation by the end of December.

Mr. Pushard is present. *The previous items were approved now that a quorum is present.*

Mr. Puglisi presented two handouts. (See Exhibit B) This shows the average streamflow for last month.

Mr. Puglisi presented the water system daily report. (See Exhibit C) This report shows the totals in the reservoirs. If it does not increase production the City will have to stop at the Canyon Road Plant.

Mr. Puglisi presented information on Article 7. (See Exhibit D) He explained the agreement is between nearby states that assures a storage amount is available.

Mr. Michael is present.

Mr. Puglisi presented some information on the Rio Grande Compact. (See Exhibit E)

Mr. Puglisi discussed the water production report. (See Exhibit F).

Mr. Wiman asked about the downtown brown water investigation. Mr. Puglisi stated the PCE that was found in stormwater tests. New Mexico Environment Department (NMED) showed low levels in their testing as well. A nearby museum had a sump in the basement. They are now applying for a permit to discharge into the stormwater system. Some additional money was found to drill monitoring wells to locate the source of the PCE. There were several areas that it was found in. Remediation is the next step. Discussion of a superfund investigation has been had. There are some options. First they need to know how far the plume extends.

Mr. Lyon is present.

Mr. Puglisi explained the need for this to be addressed as the contaminants are in the ground water. The EPA has been generous but in the future the City or the State will have to continue the investigation. NMED released the TMDL on E Coli, which shows from Nichols to La Cienega Creek is impaired with E Coli. There will be a meeting in January at 6:00 p.m. on the TMDL for public input.

Mr. Pushard asked about the storage report of the reservoir what happens when it is below. Mr. Puglisi explained there are times when it cannot be delivered. But the rights are there. There is now the living river ordinance, which assumes it is there to keep the bypass channel flowing.

Mr. Wiman asked what a good multiplier to treat water from Buckman is. Mr. Puglisi stated there are some wells that are expensive to pump. Canyon Road can flow to nearly every tank in the city, however it takes several pumps to get it there. It can be looked at and he can bring back those numbers.

Councilor Ives asked if the PCE's only came from dry cleaning operations or where are the other sources? Mr. Puglisi explained that some were shown near the old armory.

Councilor Ives asked where is the majority of the PCB's coming from. Mr. Puglisi stated it is likely to be from the trails however a study needs to be done.

Councilor Ives discussed the Rio Grande study Mr. Puglisi discussed the report that the State has to present to Congress. The samples showed nuclear and sediment near Los Alamos.

Councilor Ives will be happy to advocate for funds for testing.

Mr. Roth is present.

Mr. Otto asked if there was any testing for pharmaceuticals. Mr. Puglisi stated yes along with NMED there was testing and results are available.

6. INTEGRATED WATER STRATEGIES – Justin Lyon

Mr. Lyon presented a slideshow on Ecological Wastewater Treatment & Integrated Water Strategies. Biohabitats the business he works for which is based out of Baltimore. The slideshow showed several projects that have been done all over the world.

Mr. Roth asked about the closed loop systems. Mr. Lyon stated it has to be a public utility when there is a certain amount of people it serves. Commercial is very different.

Councilor Ives asked what has been worked on locally. Mr. Lyon showed the system done at Bosque del Apache. Also they have put in for the current stormwater RFP.

Councilor Ives excused himself to another meeting. Ms. Randall will take over as chair.

Mr. Otto announced tomorrow at 10:30 am at the Drury the Green Lodging Initiative will give out the plaques. Ms. Grosse will be giving a speech on the commercial rebate.

7. STORMWATER IRRIGATION: A COMPARISON OF SOIL MOISTURE AT CURB CUTS WITH OR WITHOUT RAIN GARDENS – Aaron Kauffman

Mr. Kauffman presented his report (slideshow) on the project at the SFCC. The slideshow showed the comparison between the untreated areas and the rain garden areas using curb cuts.

Mr. Roth asked about the calculations of the plants and size of the area. Mr. Kauffman used a ¼ inch storm measurement. A discussion was held about the basin size.

Mr. Lyon asked if there was sufficient soil moisture content and if the water could have been spread out to make a larger area. Mr. Kauffman stated it could've been however you may be limited on the types of plants to place in the middle.

Mr. Coombe asked if the two areas were similar in soil. Mr. Kauffman stated they were.

Mr. Kauffman explained after this small project the next idea is to use the spaces in medians and other areas.

Mr. Roth asked if there was natural filtration. Mr. Kauffman states there is and the only thing that will be different is the salt used in the winter.

8. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE WORKING GROUPS:

Ms. Chavez updated the Commission that the scorecard will be discussed in great length at the next meeting.

A. GROUP A – Irrigation Rebate and QWEL

Mr. Pushard stated the self-audit included in the packet that Ms. Grosse has worked on is ready for edits should any Commissioner find any. (See Exhibit G)

Ms. Grosse explained that she tried to make it user friendly.

Mr. Coombe recommends some incentives for those businesses and home owners who take the time to do the audit.

Ms. Chavez discussed the deliverables have a March deadline.

B. GROUP B – Expansion of the K-12 Education Program

Mr. Kauffman stated the city partners have committed for the money for the program. A draft is enclosed. (See Exhibit H)

C. GROUP C – Scorecard

Mr. Coombe and Ms. Chavez have worked on condensing the key objectives and outcomes. (See Exhibit I) There are samples for objectives for 2017.

A discussion was held about the goals of the scorecard.

D. GROUP D – Water Conservation Codes, Ordinances and Regulations

9. MATTERS FROM THE PUBLIC

There was not public comment.

10. MATTERS FROM STAFF

Ms. Chavez announced the Chapter 25 re-write is going to be taken to City Council in sections. The water conservation portion will go first. Ms. Chavez will keep the Committee posted.

Ms. Chavez thanked the Committee for the work done this year. If the Commissioners have any ideas for speakers or items they are always welcome to have them added to meetings.

11. MATTERS FROM THE COMMITTEE

Mr. Wiman announced Ms. Chavez has taken over the column in the Santa Fe Real Estate guide.

Mr. Pushard presented a recommendation for a new member for the Santa Fe County slot. A discussion was held that recommendation was given before but denied. If any other Commissioner has ideas for members Ms. Chavez will take the information.

12. NEXT MEETING – TUESDAY JANUARY 10, 2017

13. ADJOURN

There being no further business to come before the Santa Fe Water Conservation Committee the meeting was adjourned at 6:05 p.m.

SIGNATURES

Councilor Peter Ives, Chair

A handwritten signature in black ink, appearing to read 'L. Vigil', written over a horizontal line.

Linda Vigil for Fran Lucero, Stenographer

Water Conservation Scorecard

Programs	Status	Completed	In Progress	Planned	Milestones	Metrics	Comments
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Goal: Education Outreach

Education Initiative	New		2017-18		Allocate budget (FY2017) Sign on 20 classrooms for participation by Fall 2017	schools, classes, students	
Children's Water Fiesta	Ongoing	2016	2017		Expand attendance by 200 students Expand presentations to include peer to peer activities	schools, classes, students	Incorporate into Education Initiative and expand to serve more students
Children's Poster Contest	Ongoing		2016-17		Educational messaging developed prior to contest Link to outreach in schools	schools, classes, students	
Qualified Water Efficient Landscaper (QWEL)	Ongoing			2017	Transition training to SFCC Expand curriculum to include grey water certification All staff QWEL certified	enrolled, passing	Transitioning to SFCC
Railyard Workshops/QWEL Lite	Ongoing	2016		2017	Provide grey water training to public Bring in at least 2 speakers Sponsor or conduct 5 learning sessions (April-September)	attendees	
Master Gardeners	Ongoing	2016			Present as part of 2017 Master Gardener series Work with volunteers on parts of our program	attendees	

Goal: Communications and Customer Service

Eye On Water App Rollout	New		2016		Increase participation rate to 30% of customer base	participants	
Customer Survey	New	2016			Compile results and present to Council Determine how data will be used to improve conservation programs	participants, responses	
Indoor and Outdoor Audits	Ongoing	2016			Roll out self-audit irrigation program Complete do-it-yourself irrigation system guide	requests, follow up	Rebate devices and values modified in 2016
Residential and Commercial Rebates	Ongoing	2016			Work with commercial customers to increase participation Goal of 8 applicants for CY 2017 Increase residential program participation by 20%	devices, water savings, value	Rebate devices and values modified in 2016
Enforcement Program	Ongoing				Respond to Water Waste Hotline calls within 24 hour period Build education programs during high water season months		
Strategic Marketing Plan	Ongoing		2016	2017	Meet 90% of goals within STM as coordinated by consultant Align STM with conservation programming for FY 2017	analytics, costs, types	New branding, integration with social media

Water Conservation Scorecard

Programs	Status	Completed	In Progress	Planned	Milestones	Metrics	Comments
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Goal: Effective Program Management

Human Resources	Ongoing		2016-17		Fully staffed by June 2017 Enforcement Officer position staffed by May 2017		Fill vacancies
Financial Resources and Budget	Ongoing			2017	Submit Conservation Budget by February 2017 Track budget for FY 2017		Reallocate resources from discontinued programs to new programs
Organizational Development	Ongoing		2016	2017	Staff crossed trained on all elements of programs All staff badged for enforcement All staff certified as relevant to program (ARCSA, Backflow, CLIA, QWEL, WERS)		Professional development
Water Conservation Committee	Ongoing				Align committee work with programs in office Sub-committee work should be aligned with aspect of conservation office		
Integration with Water Resources	Ongoing		2017		40-year water plan Water Reuse plan and outreach AWWA audit and GPCD for 2017		Long Range Water Supply Plan, Reuse Feasibility Study, other planning tools

Goal: Stewardship and Conservation

Regional Collaborations	Ongoing				NMWCA board representation State Water Planning initiatives	participants, follow up	
GPCD Analysis	Ongoing	2015	2016	2017	Complete GPCD calculations on quarterly basis Annual comparison with other SW cities Program adaptation	population, sectors, production, consumption, reuse	
AWWA Audit	Ongoing		2016	2017-18	Align 2016 results with conservation programming	non-revenue water	

City of Santa Fe, Source of Supply Section/Water Division
Water Production Update - through December 17th
Public Utilities Committee Meeting
January 4, 2017

Old Filter Plant Site

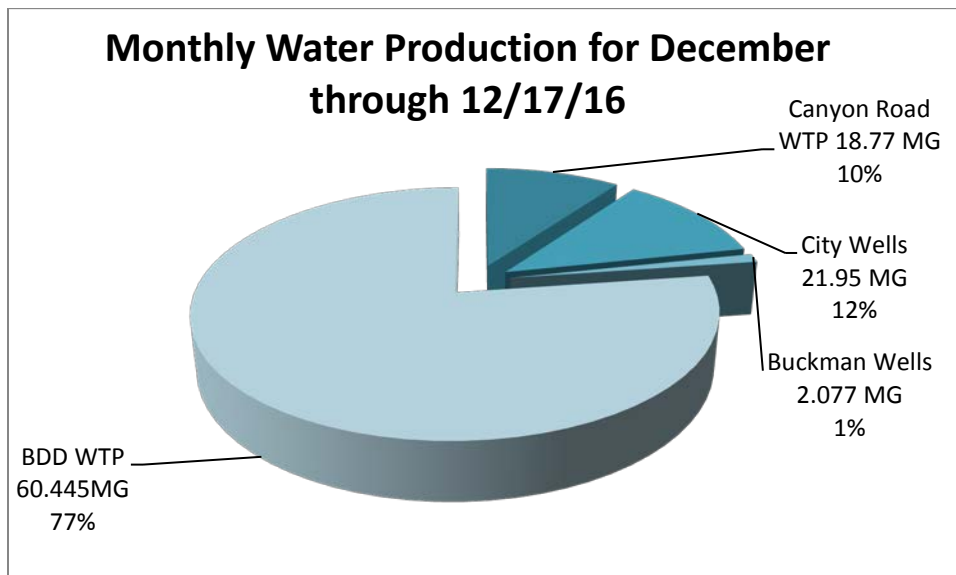
Several stakeholder groups (the Canyon Road Neighborhood Association, the SF Watershed Association, the Nature Conservancy) met with the Source of Supply Section Manager, River Manager, and Parks and Recreation Department at the Old Filter Plant Site on December 7th and formulated a preliminary plan to move forward with reseeded, re-contouring, reseeded and replanting at the site. Future trail (Dale Ball Trail Connector) development was also discussed. Re-contouring of the site and reseeded is planned for early Spring 2017.

Water Production for November (through 11/26/2016)

Daily water production at the Canyon Road Water Treatment Plant (CRWTP) has remained fairly constant from November through December. Reservoir levels are decreasing on average 0.3 to 0.5 MGD due to lower than normal inflows to McClure reservoir. These low reservoir levels preclude production at rates similar to the 5-7 MGD production levels of this past summer.

Total Production at the CRWTP through December 17th was 18.771 MG or 1.01 MGD. The plant was completely offline through November 15th and is slowly being brought back to a constant winter production level. The Buckman Regional WTP produced 60.445 MG for the first 17 days of December, or an average of 3.55 MGD. Total production for the first 17 days of the month from all sources was approximately 103.245 MG. Production from all individual sources are illustrated in the chart below. Average daily usage (customer demand) during the month of December was 6.07 MGD, which was slightly downy from November consumption levels of 6.25 MGD.

Nichols Reservoir storage levels have been maintained at 51.72% storage (111.4 MG). The storage level of McClure Reservoir has decreased slightly to 174.77 MG, or 16.06% of capacity, due to a slight increase in flows between McClure and Nichols Reservoirs to offset Canyon Road Water Treatment Plant production and Living River flows of 0.3 MGD (**Living River Planned Release**). The combined storage level for both reservoirs is 285.59 MG, which reflects a current reservoir storage level of approximately 21.0%. Santa Fe River inflows to McClure Reservoir are currently at 1.23MGD.



Baca Street Well

The City is scheduling a meeting in January, 2017 with the Petroleum Storage Tank Bureau of the New Mexico Environment Department (NMED) to discuss PNM's initial investigation and findings and future requirements for investigation and remediation of the site, as determined by the NMED under the New Mexico Ground Water Corrective Action Fund.

Drought/Monsoon, Storage, and ESA Update

NOAA has recently updated (12/10/16) ENSO (El Nino/La Niña) status to: **La Niña conditions are present, with a transition to ENSO-neutral favored during January-March 2017.** However, Dry conditions in 2016/17 could present significant challenges to all water purveyors, water utilities, and irrigators if there is not significant filling and carry-over storage in regional reservoirs. Regional reservoir levels on the Rio Grande and Chama Rivers are still low. Upper Santa Fe River reservoirs are very low so City draw down has been reduced accordingly, with a corresponding increase in BDD diversions from the Rio Grande, and moderate increases in groundwater well use. Preliminary estimates are for an approximate 95%-100% delivery of full firm-yield of San Juan-Chama Project (SJCP) water. There are no water-related Endangered Species Act (ESA) updates, except that a draft Biological Opinion was issued by the US Fish and Wildlife Service in early this month. Staff is currently evaluating this document. Updates on ESA issues will be made as needed. Rio Grande Compact Article VII storage restrictions went back into effect 4/22/16, which means the City will not be allowed to impound "native" runoff into Nichols and McClure Reservoirs above the pre-Compact pool of 1,061 acre-feet (AF) (unless an exchange for water is made with the NMISC). Updates to this condition will be made as needed.

Most current City of Santa Fe November, 2016 SJCP Reservoir Storage:

Heron:

5,029 AF. 2016 deliveries are at about 95% of annual total.

El Vado:

1,236 AF.

Abiquiu:

10,481 AF SJCP carry-over from previous years, no time limit to vacate due to storage agreement with ABCWUA

TOTAL:

16,746 AF