



# Agenda

CITY CLERK'S OFFICE

DATE 11/27/15 TIME 11:35 am

SERVED BY Robert Wood

RECEIVED BY Alicia Hartung

## SANTA FE WATER CONSERVATION COMMITTEE MEETING

CITY HALL - 200 LINCOLN AVE.

CITY COUNCILORS' CONFERENCE ROOM

DECEMBER 8, 2015

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 TUESDAY NOVEMBER 10, 2015 WATER CONSERVATION COMMITTEE MEETING
6. CONSENT ITEMS
7. CONSENT AGENDA

### DISCUSSION ITEMS:

8. CLIMATE ACTION TASKFORCE (Councilor Ives, 10 minutes)
9. Construction and Water Production Update – From PUC Packet. (Robert Wood, 5 minutes)
10. Recruiting new members for the Water Conservation Committee. (Discussion, 10 minutes)

### ACTION ITEMS:

### INFORMATIONAL ITEMS:

11. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES: (Councilor Ives, 35 minutes)
  - A. GROUP #1 – TREATED WASTE WATER AS DRINKING WATER SOURCE. (5 Minutes)
  - B. GROUP #2- WATER CONSERVATION EDUCATION/OUTREACH (10 minutes)
  - C. GROUP #3- WATER CONSERVATION CODES, ORDINANCES & REGULATIONS – LEGISLATIVE UPDATE (10 minutes)
  - D. GROUP #5-WATER SYSTEM MAP (10 minutes)

### MATTERS FROM STAFF:

- Vacancies - Water Conservation Staff & Committee – UPDATE.
- Website and advertising – UPDATE.

### MATTERS FROM COMMITTEE:

### MATTERS FROM PUBLIC:

### NEXT MEETING – TUESDAY JANUARY 12, 2016:

CAPTIONS: DECEMBER 28, 2015 @ 3 PM.

PACKET MATERIAL: DECEMBER 30, 2015 @ 3 PM.

ITEMS FOR NEXT AGENDA:

### 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  
DECEMBER 8, 2015

Cover Page		Page 0
<b>Roll Call/Call to Order</b>	The Water Conservation Committee Meeting was called to order by Lisa Randall, Vice Chair, at 4:05 pm in the City Councilor's Conference Room. A quorum is reflected in roll call.	Page 1
Approval of Agenda	<i>Mr. Roth moved to approve the agenda as presented, second by Mr. Pushard, motion carried by unanimous voice vote.</i>	Page 1
Approval of Consent Agenda	<i>No items to approve, no action.</i>	Page 1
Approval of Minutes, November 10, 2015	Corrections: Page 5: b. Group #1 – Indicates that Mr. Wiman, Mr. Michael and Mr. Otto met with Robert Romero. Mr. Otto was not in attendance at this meeting.  <i>Mr. Michael moved to approve the minutes of November 10, 2015 as amended, second by Mr. Pushard, motion carried by unanimous voice vote.</i>	Page 1
CONSENT AGENDA None	No action.	Page 1 - 2
Discussion Items <ul style="list-style-type: none"> <li>• Climate Action Task Force</li> <li>• Construction and Water Production Update</li> <li>• Recruiting New Members for the Water Conservation Committee</li> </ul>	Informational, no formal action.	Page 2 - 3
Action Items - None		Page 3
Informational Items	Group Reports, Informational	Page 3 - 4
Matters from Staff	Informational	Page 4
Matters from Committee	Informational	Page 4 - 5
Matters from the Public	None	Page 5
Next Meeting	Tuesday, January 12, 2016	Page 5
Adjournment and signature	Meeting was adjourned at 5:00 pm	Page 5

**SANTA FE WATER CONSERVATION COMMITTEE MEETING**  
**CITY HALL - 200 LINCOLN AVE.**  
**CITY COUNCILORS' CONFERENCE ROOM**  
**TUESDAY, DECEMBER 8, 2015**  
**4:00 PM TO 5:00 PM**

**MINUTES**

**I. CALL TO ORDER**

Lisa Randall, Acting Chair for the Water Conservation Committee called the meeting to order at 4:05 pm in the City Councilors' Conference Room. A quorum is reflected in roll call.

**2. ROLL CALL**

**Present:**

Lisa Randall, Vice Chair

Bill Roth

Tim Michael

Stephen Wiman

Doug Pushard

Giselle Piburn

**Not Present/Excused:**

Councilor Ives, Chair

**Staff Present:**

Robert Wood, Water Conservation Specialist Senior

Lisa Larrañaga, Water Conservation & Education Specialist

**Others Present:**

Andy Otto, Santa Fe Watershed Association

Fran Lucero, Stenographer

**3. APPROVAL OF AGENDA**

*Mr. Roth moved to approve the agenda as presented, second by Mr. Pushard, motion carried by unanimous voice vote.*

**4. APPROVAL OF CONSENT AGENDA**

*No items to approve, no action.*

**5. APPROVAL OF MINUTES NOVEMBER 10, 2015**

Corrections: Page 5: b. Group #1 – Indicates that Mr. Wiman, Mr. Michael and Mr. Otto met with Robert Romero. Mr. Otto was not in attendance at this meeting.

*Mr. Michael moved to approve the minutes of November 10, 2015 as amended, second by Mr. Pushard, motion carried by unanimous voice vote.*

**6. CONSENT ITEMS**

None

7. CONSENT AGENDA  
No Action

**DISCUSSION ITEMS:**

8. Climate Action Task Force.

*Mr. Roth moved to delay discussion on the Climate Action Task Force pending Councilor Ives arrival, second by Mr. Pushard, motion carried by unanimous voice vote.*

9. CONSTRUCTION AND WATER PRODUCTION UPDATE – FROM PUC PACKET

Mr. Wood noted that the entire update was included from the PUC packet to show goals that have been met.

McClure Dam construction is nearing completion by November 27<sup>th</sup> and the last tour showed it fairly complete and fairly well built in lieu of the weather conditions they faced. Nichols Dam float control valve relocation work is being completed and Canyon Road Water Treatment Plant is currently on line. Canyon Road Water Treatment Plant increased to 1.2 million gallons per day.

Mr. Wood read verbatim from the McClure and Nichols Reservoir report included in the meeting packet. Mr. Wood also read the statistics for the Monthly Water Production for through 11/18/15. Major rainfall for the month has been 4.98 inches; total for the watershed is 58 inches as of the PUC report. The storage update was also provided to the committee and included in the meeting packet. There are no water related endangered species updates. Storage as of October 15, 2015 is 4,855 ac. ft. - Heron. 4,604 ac. ft. in El Vado/Abiquiu carryover 7,000 ac. ft. from previous years and time limited to use that to vacate. Total is 16,459 ac. ft. and we are in a much better position now than we have been in a number of years going in to the season but it also depends on the snow fall.

Questions: How much water has been released to the Santa Fe River?  
(Exhibit A) – Memo from 4/22/15 from Melissa McDonald, River and Watershed Coordinator indicates the Santa Fe River Target Flows.

Mr. Otto stated that Mr. Puglisi from the Water Division has provided and posted information on the city website on the closure of lower McClure and the valve work that was performed on December 1, 2015.

10. RECRUITING NEW MEMBERS FOR THE WATER CONSERVATION COMMITTEE

Mr. Roth submitted a resume for consideration of Mr. Jeremiah Kidd as a member of the Water Conservation Committee. (Letter of interest and Resume were provided to the committee members.)

It was the general consensus of the Water Conservation Committee to direct staff to take the recommendation of Mr. Jeremiah Kidd to the Mayor for assignment to the Water Conservation Committee.

It was recommended that staff pursue additional advertising through social media using the Water Conservation Office as the point of contact to attract more candidates for the Water Conservation Committee. Robert Wood e-mail will be used.

The comment offered was to continue to pursue candidates for representation from different parts of the city and/or to consider those with the expertise in Water background.

Mr. Wood will confirm the total amount of members for this committee.

#### ACTION ITEMS

None

#### INFORMATIONAL ITEMS:

##### 11. GROUP REPORTS FROM WATER CONSERVATION COMMITTEE INITIATIVES:

- a. GROUP #1 – TREATED WASTE WATER AS DRINKING WATER SOURCE  
Mr. Wiman said that he is still waiting to monitor the city project; there was some confusion if the contract had been approved. Mr. Wood said that he did not have any information on this contract in particular. Mr. Wiman will follow up with Mr. Schneider. Mr. Wiman noted that as a committee all they are going to do is monitor the reporting. The WCC members would like Mr. Wood to follow up on this item and provide an update.
- b. GROUP #2 – WATER CONSERVATION EDUCATION/OUTREACH  
*Nothing to report.*
- c. GROUP #3 – WATER CONSERVATION CODES, ORDINANCES & REGULATIONS  
Mr. Pushard included information in the packet and offered to answer any questions. Mr. Pushard reported on the AWRA Conference and asked if anyone from the city attends this conference. He recommended that staff be in attendance at the conference in the future.

Mr. Pushard said that the University of Colorado is building a western water dashboard which is going to include all the water right issues along the western water and address litigation. This is the regional item which would be of interest to the county and the city. It will be released sometime the 1<sup>st</sup> quarter of next year. Ms. Pushard will send the link to staff for distribution to the WCC membership from the Colorado meeting. The next conference is in New Orleans.

Mr. Pushard noted that San Francisco is down to 42 gallons per capita per day indoors. They are about 15-20% below the City of Santa Fe. Their outdoor number is almost non-existent. They are high density compared to us but even lower than our multi family. They continue to move forward on some progressive policies. All commercial buildings near the water's edge have to do rain water harvesting, storm water management; it is required to get a permit. Even more progressive, they are allowing businesses to sell water to each other, they encourage businesses to capture water and sell to each other. Even though it is a water company, this is what they are doing and they are not getting involved in the negotiating. There are no downstream water rights. Right now they can do potable in commercial buildings and hotel buildings. They have to get a permit just as in any other case. Mr. Pushard offered a copy of the presentation should the WCC members be interested and stated that they have saved quite a bit of water, very impressive.

Mr. Roth: WERS Update - Green Code - the intention is to use in the Revised Green Code – a series of public hearings are scheduled and public input open meetings are being held

Monday and Wednesday thru December 21st. The tool that is written will be included in the Green Code for residential single family homes.

ICC – Rainwater Code, that one is still out. They set a date of 11/24 for comments; it has now been pushed to 12/11/15 for public comment. An article was included in packet dealing with Rio Grande National Forest as an FYI.

d. **GROUP #5 – WATER SYSTEM MAP**

Mr. Wiman noted that after the last meeting he sent a letter to Rick Carpenter to get a meeting organized to get the city involved to create the map. Mr. Wiman heard from Rick yesterday, he asked for a list of distribution on who should attend meeting and he will then schedule a meeting. Mr. Wiman has a list of items to get the map created – once we meet with the city – to work cooperatively – we will create a map and I would like to see an online version. This is work in progress and we should have Councilor Ives present at that meeting.

Ms. Randall said that once this has a formulated structure we should talk about funding. This is map is greatly needed.

**MATTERS FROM STAFF**

Introduction of Ms. Lisa Larrañaga - Water Conservation & Education & Compliance Specialist.

Water Conservation Manager will start January 4, 2016 if paperwork is completed. (Name to be released when formally completed).

Advertising Agency has been selected; they are the same company that handled the website. Until their proposal is approved, we cannot bring forward.

NMML Resolution 2015-16 – There will be a meeting in Albuquerque next week with 4 of the larger cities.

**MATTERS FROM COMMITTEE:**

Ms. Randall:

Provided an update on her position at SFPS as the Energy & Water Conservation Officer which extended in to recycling, waste reduction, etc. Ms. Randall noted that she has been asking the board and management to allow her to use funding that she generates from her program for a Sustainability Program Coordinator. SFPS is in the process of hiring a Facility Master Plan Coordinator to oversee 2.6 million sq. ft. and 60 buildings.

The SFPS Board meets every 1<sup>st</sup> and 3<sup>rd</sup> Tuesday of the month. Ms. Randall asked for support should any WCC members be able to express their views and support. The Board does listen to the public, 3 minutes is allowed under public comment. Ms. Randall attends every Tuesday to express her priorities.

SFPS chart and graph of water saved: Mr. Wood asked if a copy of that could be received to speak intelligently. Ms. Randall will send to the WCC staff for distribution.

Mr. Pushard asked about the items: follow up for January, 2016 Meeting Agenda

- ASSESSMENT OF INCREASING WATER USE EFFICIENCY ON DEMAND
- HARDENING – FINAL REPORT
- NMML RESOLUTION 2015 - 16

Question: Has the 2014 Annual Water Report been released. Mr. Michael said the nomenclature on the website is incorrect. Mr. Wood to follow up on this request.

**MATTERS FROM THE PUBLIC**

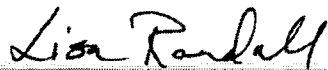
None

**NEXT MEETING – THURSDAY, JANUARY 12, 2016**

**ADJOURN**

There being no further business to come before the Water Conservation Committee, the meeting was adjourned at 5:00 pm

Signature Page:



Lisa Randall, Acting Chair



Fran Lucero, Stenographer

# City of Santa Fe, New Mexico

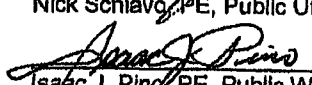
## memo

DATE: April 22, 2015

TO: Public Utilities Committee

VIA:

  
Nick Schiavo, PE, Public Utilities Department and Water Division Director

  
Isaac J. Piro, PE, Public Works Department Director

Leroy Pacheco, PE, River, Watershed and Trails Section Supervisor  
Alan G. Hook, Water Resources Coordinator Assistant *A.G.H.* 

FROM: Melissa McDonald, RLA, River and Watershed Coordinator *MM*

### ITEM / ISSUE: Information Item

**Annual Report, Santa Fe River Target Flows:** Report for "target year" activity from April 15, 2014 through April 14, 2015; and anticipated activity for the target flow year of April 15, 2015 through April 14, 2016.

Pursuant to the Target Flow Ordinance (Ordinance #2012-10) and the Target Flow Administrative Procedures (City Resolution #2012-28), staff is directed to provide the governing body with an annual report that describes target flow operations and flow volumes for the preceding year, plus the planned target flow hydrograph for the coming year.

### REPORT FOR THE TARGET YEAR ENDING APRIL 14, 2015 (LAST YEAR):

Santa Fe River target flows begin in mid-April and continue throughout the year until the following April (the "target year"). For example, the 2014 Santa Fe River target flow allocation began on April 15, 2014 and concluded on April 14, 2015.

The river flows are administered under the terms of the city's Target Flow Ordinance in support of the Living River Initiative (Ordinance #2012-10). The ordinance provides that 1,000 acre-feet of water will be made available to deliver river water through the city and beyond. In years when the forecast for the runoff from mountain snows falls below 75% of the annual average, river flows are scaled downward. This past target year, the runoff from mountain snows was forecast to be at about 32% of average. Consistent with the Target Flow guidelines, river flows were scaled downward to match the forecast and the river water commitment was capped at 300 acre-feet for the year.

It is important to note that the other determinant of river flows administered through the target flow program is the concept of the bypass constraint. The administrative procedures for the program define the bypass constraint as follows:

**"bypass constraint":** an operating principle that requires the rate at which water is passed through the outlet works of Nichols Reservoir dam is always equal or less than the stream inflow at the 'above McClure' gage.



In other words, at any given time, the volume of Nichols Reservoir outflow administered for the target flows is not allowed to exceed the volume of inflow at the city's upper reservoir (McClure Reservoir).

The purposes of the target flows are to help support the river's green corridor of trees, grasses, and other plants; to support healthy wildlife habitat; and to add to the beauty of free-flowing water to the parklands along the river. Other benefits of maintaining a vegetated, green river corridor include shading and cooling of the urban environment; supporting plants that convert carbon dioxide into oxygen; helping to clean stormwater runoff; controlling erosion; and protecting infrastructure.

During the past year, staff engaged in a range of activities such as establishing the annual hydrograph for target flows; monitoring flows delivered to the river channel; and recordkeeping of target flow volumes. The target flow hydrograph has also been administered to provide flows that "support community events scheduled along the Santa Fe River" as provided for in the ordinance.

### **2014 – 2015 Summary and Highlights:**

- 1) The 2014-2015 year-end total of river flow provided via the target flow program was 300 acre-feet. But due to the need to make water releases to accommodate reservoir construction approximately 1,600 acre-feet was released. This was fortunate since river projects with restoration planting directly benefited from these releases, making plant establishment more successful. We were able to time these releases to pulse in coordination with the spring & summer flows. The Children's Fishing Derby/River Festival is scheduled in coordination with the spring pulse flows. At the same time, we were able to sustain target flow levels and irrigation deliveries were met throughout the year.
- 2) A number of considerations determined the nature of the hydrograph (for both the timing and volume of the flows) that made up this year's living river target flows. However, one significant consideration was the infrastructure project underway to make repairs to Nichols reservoir. Staff worked around the timing of the project in the channel and implemented target flow releases as opportunities for in-stream flows present themselves. A graph of released flows is attached (2014 Actual Hydrograph).

### **REPORT FOR THE TARGET YEAR APRIL 15, 2015 THROUGH APRIL 14, 2016 (THE YEAR AHEAD):**

The Natural Resources Conservation Service (NRCS) forecasts that this year's streamflow runoff for the Santa Fe River watershed will be 60% of the thirty-year average streamflow yield for the river. Given the forecast, the Santa Fe Living River flows will be 600 acre-feet for the coming year.

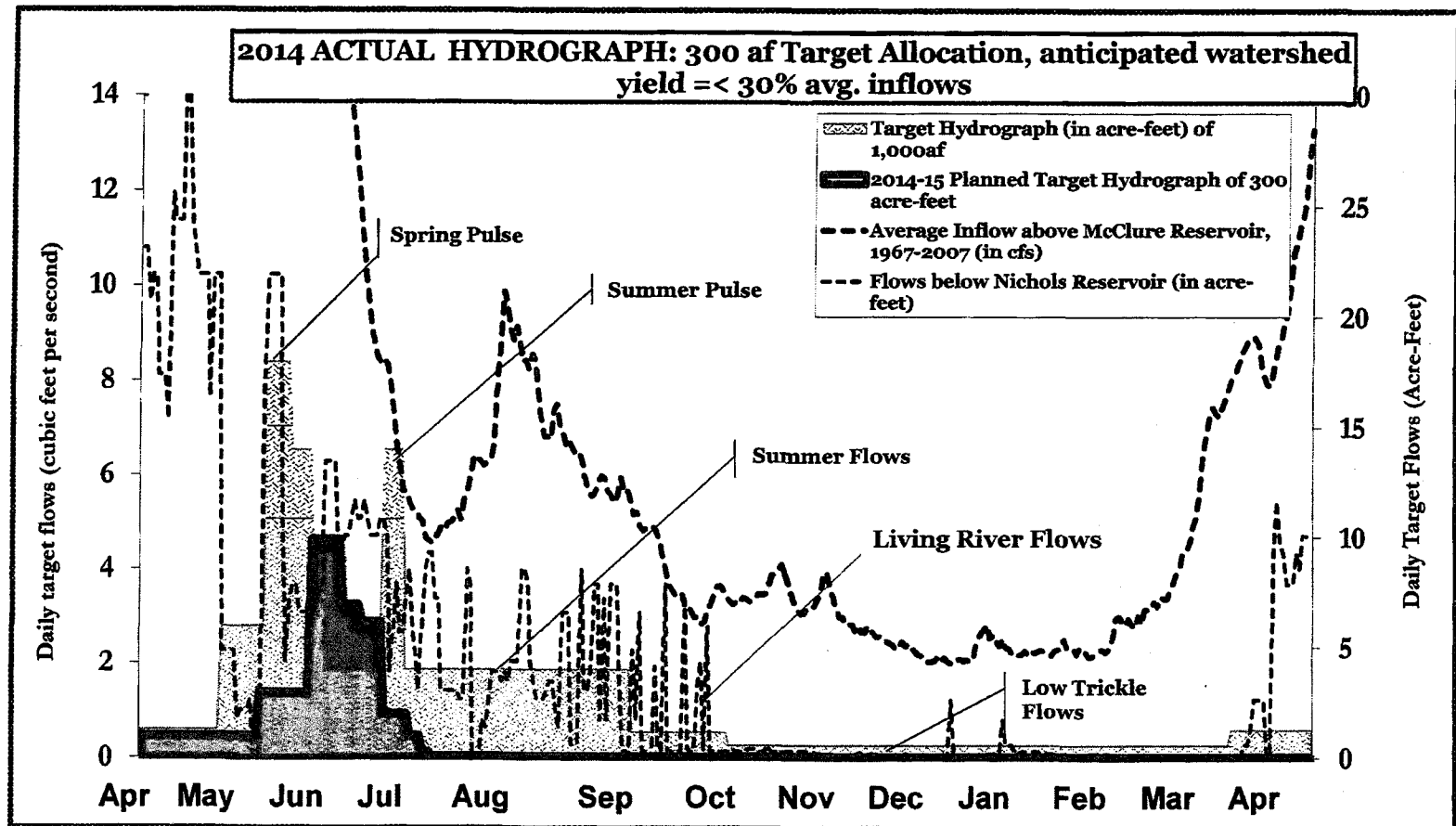
A number of considerations will determine the nature of the hydrograph (for both the timing and volume of the flows) that will be developed for this year's flows. There is one infrastructure project underway at McClure Reservoir and one river repair project planned within the river channel. The first project is for the construction of the new intake tower at McClure Reservoir. The project commenced on March 9<sup>th</sup>. The second project is for the stabilization of the Nopal drainage structure on the Santa Fe River downstream, along Alameda, south of St. Francis. It is staff's intent to work around these installations.

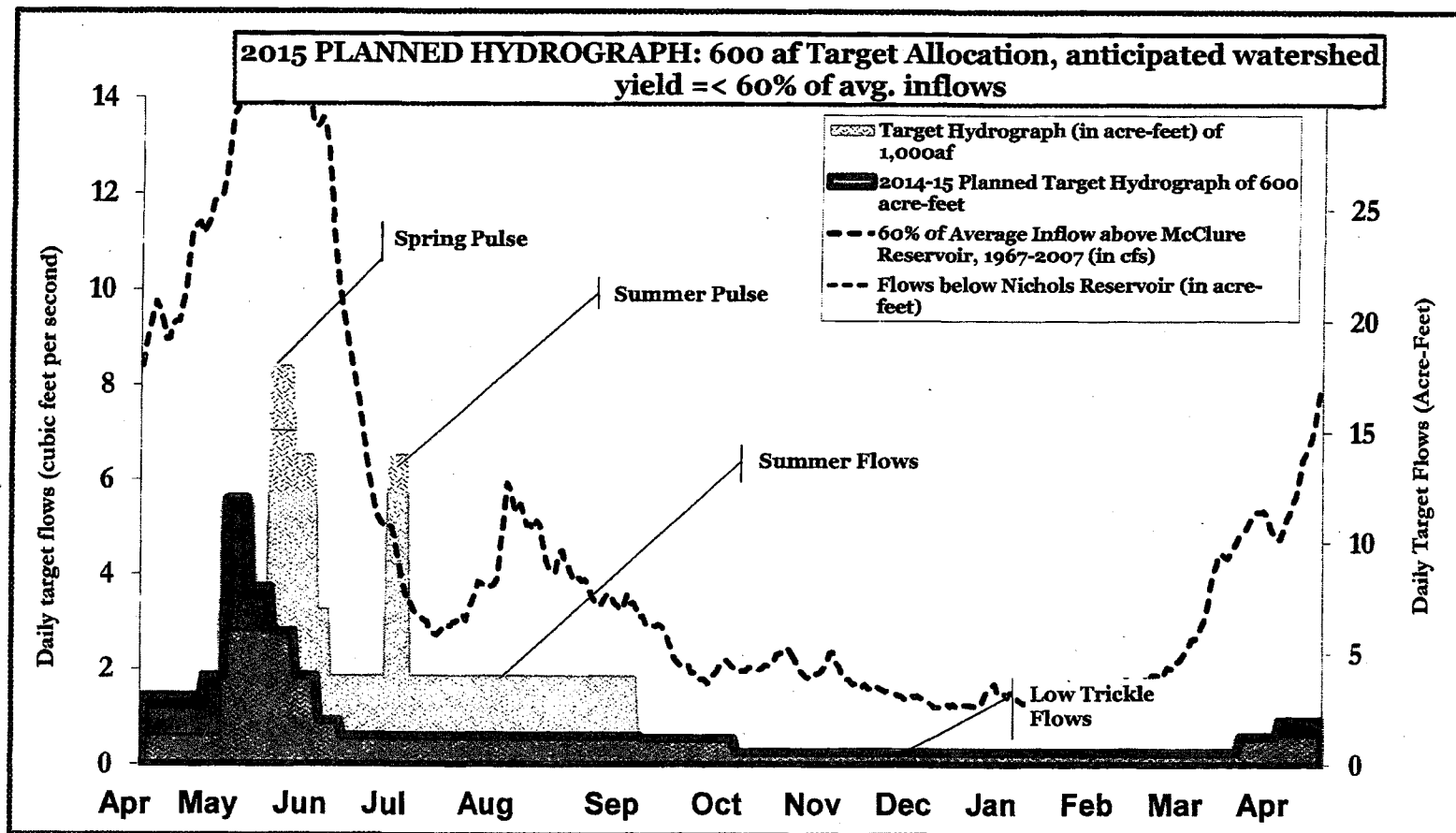
Due to warm temperatures and early snowpack runoff, the spring pulse flows for the living river were released a few weeks early. Staff hopes to coordinate the living river flows with the Fishing Derby/River Festival scheduled for Saturday, May 16<sup>th</sup>. Specifically, in this target year 2015, the living river target flows will be 1.55 cfs or 1 MG/day from April 15<sup>th</sup> until the beginning of May. In the week before the derby, on May 11, target flows will increase to 6 cfs or approximately 4 MG/day for a week, if streamflow above McClure Reservoir is available, to accommodate the derby and then decrease the following 4 weeks to 4 cfs, then 3 cfs, then 2 cfs and then 1 cfs, respectively, by June 8<sup>th</sup>.

A proposed schedule is attached (2015 Planned Hydrograph). Actual flows will be adapted and will take place as circumstances allow.

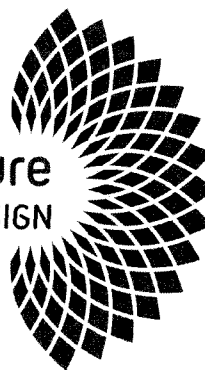
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Attachments:     2014 Actual Hydrograph  
                      2015 Planned Hydrograph





San Isidro Permaculture  
REGENERATIVE DESIGN



December 1, 2015

City of Santa Fe  
Water Conservation Committee  
200 Lincoln Ave  
Santa Fe, NM 87501

**RE: Jeremiah Kidd's Interest for consideration to WCC**

Dear Water Conservation Committee,

I am writing to express my interest in being considered as a possible member of the WCC. Since moving to Santa Fe in 1996 I have worked in the Permaculture sector that includes many aspects of sustainable water management. The importance of water conservation in the Santa Fe area is paramount to a beautiful and resilient community as our population grows and we face uncertain weather patterns. I feel like I have the skills and interests that align with the goals of the WCC and would be excited to help move the WCC toward a sustainable water future.

Please contact me at any of the numbers or email below if you have any questions and thank you for your consideration.

Sincerely,

Jeremiah Kidd

PSFA  
Andy Wood  
Public Comments

Climate Action Task Force  
Sustainable Comm Plan  
Creating a 20 yr. Plan

Charge is to create Plan in 6 mos.  
List to Sustainability Comm.  
Inquiries to Councilor Jones/  
former Mayor Cass -  
John Alejandro -  
(report)