



Agenda

PUBLIC UTILITIES COMMITTEE MEETING AND TOUR

WEDNESDAY, OCTOBER 2, 2019

Wastewater Treatment Plant

73 Paseo Real

Regular Meeting – 4:00pm

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF AGENDA
4. APPROVAL OF CONSENT AGENDA
5. APPROVAL OF MINUTES FROM THE SEPTEMBER 4, 2019 PUC MEETING

INFORMATIONAL ITEMS

6. Report on Backflow Prevention Program. (Jesse Roach, Water Division Director, jdroach@santafenm.gov, 955-4309) **VERBAL**
7. Status Update on One Water Santa Fe and Upcoming November Public Meeting. (William Schneider, Water Resource Coordinator, wschneider@santafenm.gov, 955-4203) **VERBAL**

CONSENT – ACTION CALENDAR

8. Monthly Update of Capital Improvements Projects. (Shannon Jones, Public Utilities Department Director, swjones@santafenm.gov, 955-4267)
9. Update on Current Water Supply Status and Drought, Monsoon and Storage. (Jonathan Montoya, Source of Supply Operations Manager, jmontoya@santafenm.gov, 955-4373)
10. Wastewater Management Division Monthly Update. (Mike Dozier, Wastewater Management Division Director, mldozier@santafenm.gov, 955-4642)

11. Environmental Services Division Monthly Update. (Shirlene Sitton, Environmental Services Division Director, sesitton@santafenm.gov, 955-2209)

12. Request for approval of the 2020 Public Utilities Committee meeting calendar. (Jamie-Rae Diaz, Administrative Assistant, jldiza@santafenm.gov, 955-4210)

Public Utilities Committee – 10/2/2019
City Council - December

13. Request for approval of a multiple source Award of Bid RFB '19/24/B for Traffic Control Services as follows;

a) Southwest Safety Services for four (4) years for \$30,000 each fiscal year for a total of \$120,000.00 exclusive of NMGR. Munis Contract No. 3200652. (Mike Moya, Transmission & Distribution Operations Manager, mrmoya@santafenm.gov, 955-4243)

b) Highway Supply for Four (4) years for \$30,000 each fiscal year for a total of \$120,000.00 exclusive of NMGR. Munis Contract No. 3201144. (Mike Moya, Transmission & Distribution Operations Manager, mrmoya@santafenm.gov, 955-4243)

Public Utilities Committee – 10/2/2019
Finance Committee – 10/21/2019
City Council – 10/30/2019

14. Request for approval of a Budget Amendment Resolution (BAR) budget increase from Cash balances for the Valli Bill Print and Denovo contract for Service Contracts in the amount of \$300,000.00; Munis account number 5110351.510310. (Nancy Jimenez, Utility Billing Division Director, njjimenez@santafenm.gov, 955-4364)

Public Utilities Committee – 10/2/2019
Finance Committee – 10/21/2019
City Council – 10/30/2019

15. Request for approval of Resolution No. 2019-_____. A resolution directing the City Manager to identify and apply for federal and state funding sources for Water, Wastewater and other water related projects. (Councilor Chris Rivera) (Alan Hook, Water Resources Coordinator Assistant, aghook@santafenm.gov, 955-4205)

Public Utilities Committee – 10/2/2019
City Council – 10/08/2019

16. Request for approval of a Budget Adjustment Request (BAR) for re-appropriation of funds for the amount of \$2,341,621 approved purchases in FY 2018/2019. (Lawrence

Garcia, ESD Maintenance Manager, imgarcia@santafenm.gov, 955-2241 and Manuel Sanchez, Administrative Manager,)

Public Utilities Committee – 10/2/2019
Finance Committee – 10/21/2019
City Council – 10/30/2019

17. Request for approval of a Budget Adjustment Request (BAR) budget increase for the Yukon Contract and Chemicals for water treatment into Operating Supplies (530200) and Repair/Maintenance system equipment (520150) for the total amount of \$259,959. (Jonathan Montoya, Source of Supply Operations Manager, jmmontoya@santafenm.gov, 955-4373)

Public Utilities Committee – 10/2/2019
Finance Committee – 10/21/2019
City Council – 10/30/2019

18. Consideration of Bill No. 2019-____: An Ordinance Amending Exhibit A of Chapter 22 SFCC 1987 to add a Provision to allow for a more accurate reading of Wastewater Discharge; and amending various tables to remove provisions that are no longer applicable. (Councilor Vigil Coppler) (Shannon Jones, Public Utilities Department Director, swjones@santafenm.gov, 955-4267)

Public Utilities Committee – 10/2/2019
City Council (Request to Publish) (Scheduled) - 10/08/2019
Finance Committee (Scheduled) - 10/21/2019
City Council (Public Hearing) (Scheduled) – 10/30/2019

MATTERS FROM THE PUBLIC

MATTERS FROM THE CITY ATTORNEY

MATTERS FROM STAFF

MATTERS FROM THE COMMITTEE

NEXT MEETING: Wednesday, November 6, 2019 at City Council Chambers

ADJOURN

PERSONS WITH DISABILITIES IN NEED OF ACCOMODATIONS, CONTACT THE CITY CLERK'S OFFICE AT 505-955-6520, FIVE (5) WORKING DAYS PRIOR TO THE MEETING DATE.

RECEIVED AT THE CITY CLERK'S OFFICE	
DATE:	September 26, 2019
TIME:	9:56 AM

**PUBLIC UTILITIES COMMITTEE MEETING
AND TOUR
WASTEWATER TREATMENT PLANT
73 PASEO RAEI
WEDNESDAY, OCTOBER 2, 2019, 4:00 PM**

1. CALL TO ORDER

The meeting of the Public Utilities Committee was called to order at 4:00 pm by Chairman Councilor Christopher Rivera, at the Wastewater Treatment Plant, on Wednesday, October 2, 2019, Santa Fe, New Mexico.

2. ROLL CALL

Members Present:

Councilor Christopher Rivera, Chair
Councilor Peter Ives
Councilor JoAnne Vigil Coppler
Councilor Renee Villarreal

Members Absent:

Councilor Carol Romero-Wirth

Others Present:

Shannon Jones, Director, Public Utilities Department
Regina Wheeler, Director, Public Works Department
Stephanie López, Public Utilities Department
Marcos Martínez, Assistant City Attorney
Elizabeth Martin, Stenographer

NOTE: All items in the Committee packet for all agenda items are incorporated herewith to these minutes by reference. The original Committee packet is on file in the Public Utilities Department.

3. APPROVAL OF AGENDA

MOTION A motion was made by Commissioner Ives, seconded by Councilor Villarreal, to approve the agenda as presented.

VOTE The motion passed unanimously by voice vote.

4. APPROVAL OF CONSENT AGENDA

Councilor Ives pulled item 9 for discussion.

Councilor Vigil Coppler pulled item 10 for discussion.

MOTION A motion was made by Councilor Vigil Coppler, seconded by Councilor Ives, to approve the consent agenda as amended.

VOTE The motion passed unanimously by voice vote.

**5. APPROVAL OF MINUTES
SEPTEMBER 4, 2019**

MOTION A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the minutes as presented.

VOTE The motion passed unanimously by voice vote.

INFORMATIONAL ITEMS

**6. REPORT ON BACKFLOW PREVENTION PROGRAM.
Jesse Roach**

Mr. Roach passed out a handout and reviewed it with the Board.

The handout is herewith attached to these minutes as Exhibit "1".

Councilor Ives said thank you for keeping this in the forefront of issues and bringing forward a plan to get the City's hands around it. He was very glad to see that happening. On page 3, the bar chart, do you distinguish at all here between residential and other uses.

Mr. Roach said no, this is the total.

Councilor Ives asked do you have any sense over the course of that year what percentage of production is used commercially as opposed to residential.

Mr. Roach said he can get that split out for you.

Mr. Jones said for water delivered by the billing system we have those numbers. To delineate the flow into the facility is a bit different. It is not metered that way. We can pull the volumes for commercial and make some assumptions on residential.

Councilor Ives said it is important to know, he thinks, what the percentage is in residential usage. It would be helpful to have that information.

Councilor Ives said on page 2 you talk about an Ordinance developed, but presumably we have something in the Ordinance now.

Mr. Jones said the Ordinance does show requirements and monitoring.

Councilor Ives asked is it a question of making the Ordinance more workable and adding enforcement.

Councilor Ives said the batteries on the existing smart meters have a 10 year life. Those will come up for potential replacement. How do we assess if backflow preventors are needed on any particular meter or do we say they are needed on all meters.

Mr. Roach said that idea has been mentioned. Some sort of check valve may be a good idea. We are still working through what happens in 10 years with the meter program. He will look back into that idea.

Councilor Ives asked how do we do that inventory.

Mr. Roach said that will be part of a future proposal. We will know from the meters where there should be backflow preventors and maybe Land Use can help us some. We will flesh that out.

Chair Rivera asked is November 6th a doable date for your proposal.

Mr. Roach said it is doable on how to do the City backflow prevention pilot program. Then we will think about how we do an inventory.

Chair Rivera said thank you Jesse.

7. STATUS UPDATE ON ONE WATER SANTA FE AND UPCOMING NOVEMBER PUBLIC MEETING. William Schneider

Mr. Schneider said he will talk about the Santa Fe Water Reuse strategy. The Public Utilities and Water Division will host public comment sessions on November 12th and 14th from 4:30 pm to 6:30 pm at Fogelson Library. We will talk about water planning and water reuse strategy. We intend to share ideas, concepts and strategies and to seek community feedback and answer questions. The format of the meeting will be to establish numerous tables and have experts from various groups to explain and answer questions at each table. We would love to have this Committee attend. All the aspects of the feasibility study and aspects of our strategy will have a table. There will also be a station where folks can leave comments and requests for information. We will make public announcements about the meeting. There will be additional planning beyond these sessions. If there are individual questions anyone has before the meeting we are available to meet with you one or one or as a group. If the Committee

sees a role or wants to participate in any way reach out to Shannon.

Councilor Ives said we have been doing a further assessment of the four alternatives. What is the status of that review. Are you going to present that information at these meetings.

Mr. Schneider said that is the goal. He has a technical report for all the alternatives and options. Our intent is to release those reports in advance of the meeting and have them as part of the stations at the meetings.

Councilor Ives asked when will those reports be available.

Mr. Schneider said two weeks from today.

Councilor Ives said he would like copies. Beyond public meetings what action items will be on the Council agenda in December. He would like to vote on this.

Mr. Schneider said regardless of thirty years of water planning, his belief is his role is if there are no deal breakers relative to the City Water Division with the proposed pipeline, it is his intent to bring a proposal forward to the PUC to pursue a design for an engineered pipeline at the November meeting.

Councilor Ives asked if it would be possible to bring it to Council on December 11th. He would like to vote on it at the last Council meeting in December, before he leaves Council.

Mr. Schneider said we can try.

Councilor Villarreal said the way you described the public session is more like an open house. Fluid.

Mr. Schneider said it will be more listening and being more responsive.

Councilor Villarreal asked how are you going about advertising.

Mr. Schneider said he is meeting with Christine for her recommendations. We want to find unique ways to encourage attendance.

Councilor Villarreal said let us know how we can help. She wants to see beyond the usual suspects that come to these. If it is written in a technical manner, most people don't come. If you say this is something they should be concerned about and simplify it they will be more likely to attend. We want people to understand how it fits into their daily lives.

Chair Rivera said he will be at both sessions.

Chair Rivera asked are we reaching out to downstream users.

Mr. Schneider said under Shannon's leadership he attends monthly La Cienega meetings and has been updating them regularly.

Chair Rivera said he is looking forward to this. He wants to see what comes of it. If possible, get it to the December Council meeting as Councilor Ives requested. We owe it to the Councilor to try to do that.

Mr. Schneider said understood.

CONSENT - ACTION CALENDAR

**8. MONTHLY UPDATE OF CAPITAL IMPROVEMENT PROJECTS
Shannon Jones**

Approved on consent.

**9. UPDATE ON CURRENT WATER SUPPLY STATUS AND DROUGHT,
MONSOON AND STORAGE. Jonathan Montoya**

MOTION A motion was made by Councilor Ives, seconded by Councilor Vigil Coppler, to approve the update report.

Councilor Ives said this report sounds pretty normal for reservoir levels.

Mr. Montoya said correct. Last year, at this time of year, we were in the 30s. We treated tons of water at Canyon Road. We are continuing on our goal to be a bit below 40. Today we at 41%.

Councilor Ives asked how do you read the projection of El Nino and El Nina.

Mr. Montoya said we will be ready with plenty of storage at McClure.

Councilor Ives said talk about page 2 and the methane remediation plan and voluntary remediation program and the dry cleaner issues.

Mr. Montoya said Alex Puglisi will address that part of the update.

Mr. Puglisi said we had to start our phase one investigation at the old Sierra Vista landfill in July. Part of the problem out there is that the landfill was closed prior to the new solid waste regulations passed in the 90s. We are required to monitor for methane and provide a cover. That landfill has always had high methane emissions. We asked the owner to check why those emissions were so high. They put us into a

quarterly methane monitoring process. We had an ongoing monitoring program and that is how NMED discovered the problem. They required us to put in some additional wells in some of those areas and they asked us to check the cover and low areas. A survey is scheduled to be completed within the first year. If we have issues we will have to go back in and re-engineer the cover. The survey is the remaining item to be done.

Councilor Ives asked the VRP, Voluntary Remediation Program, tell us about that.

Mr. Puglisi said concentrations at the edge of the plume are dropping. There has been a submittal of a technical proposal to install ground water wells. That is what is happening now. NMED asked to review the work plan and meet with us for suggestions as to where monitoring wells would be beneficial.

Councilor Ives asked is there any impact on City water right now.

Mr. Puglisi said we don't know and that is why we are installing monitoring wells. They talked about one well, but we do not think that is sufficient. We will meet with NMED and express our concerns and opinions. Shallow ground water was impacted and we do know that. We are a bit concerned about the deeper aquifer.

Councilor Ives said OSC has jurisdiction over monitoring these wells. Do we know if any folks are pulling drinking water from shallow wells in this area.

Mr. Puglisi said the Environment Department would be the regulatory agency, not OSC, on protecting wells. We had them research that database and did identify domestic wells in the area.

Councilor Ives said we might be a responsible corporate citizen giving that information to NMED.

Mr. Puglisi said they did research it. We identified a well near the State Achieves Center and one near the Stagecoach Hotel.

Councilor Ives asked what about the dry cleaner sites.

Mr. Puglisi said the thinking was that NMED wanted to explore if there were problems at most dry cleaners. They wanted to go out and get some sampling data to confirm our assumptions and for the most part they were. It was not as complete as they wished it to be. They do not have a corrective action fund so they are using left over money to do sampling. They had to do it in the right of ways first off because we were the only ones to allow them to sample. Most contamination is usually on land owned by the dry cleaner in the back. A large percentage tested positive. In the past the substance was not regulated and there was a lot of mishandling of the product,

irresponsible disposal, leaking tanks and spillage. We found concentrations above screening levels in over half. They used residential screening levels. That is not the appropriate screening level for commercial levels. There was enough concern to show issues at seven locations.

Councilor Ives asked does this play into our MS4 permitting.

Mr. Puglisi said it could.

Councilor Ives asked is there any perceived threat to domestic wells around the City.

Mr. PUGlisi said there always could be a potential threat. At some point in time NMED is planning to go back to these facilities with regulatory authority or voluntary permission to sample those lands. Their idea is to try to quantify the threat and try to get funding to take care of that. He thinks the City could be a powerful force in that.

Councilor Ives said he thinks now is the opportune time. We need to work that into the City legislative priorities. He would be glad to sponsor that. At our next meeting please have an update on this with an overall plan regarding these sources of pollution and what the City will do to assess them and move toward remediation and resolution.

Mr. Puglisi said he can do that. He would also like to mention that the Municipal League is sponsoring a Resolution for a corrective action fund for these reasons. He can bring forward that Resolution as well.

Chair Rivera said we will put that on our next meeting agenda as an informational item.

VOTE The motion passed unanimously by voice vote.

10. WASTEWATER MANAGEMENT DIVISION MONTHLY UPDATE
Mike Dozler

Councilor Vigil Coppler said she pulled this because she wanted to commend this Division for the safety report. This is the first meeting since she asked for safety to be on every agenda. She thinks safety is really important and she is especially happy to see that prior to any work is started there is a staff meeting and the safety issues are assessed and plans are made. She really appreciated that. It is important. She is very pleased to see this. Thank you. Keep it up.

MOTION A motion was made by Councilor Vigil Coppler, seconded by Councilor Villarreal, to approve this update.

VOTE The motion passed unanimously by voice vote.

**11. ENVIRONMENTAL SERVICES MONTHLY UPDATE
Shirlene Sitton**

Approved on consent.

**12. REQUEST FOR APPROVAL OF THE 2020 PUBLIC UTILITIES COMMITTEE
MEETING CALENDAR. Jamie-Rae Diaz**

Approved on consent.

**13. REQUEST FOR APPROVAL OF A MULTIPLE SOURCE AWARD OF BID RFB
'19/24/B FOR TRAFFIC CONTROL SERVICES AS FOLLOWS;**

**A) SOUTHWEST SAFETY SERVICES FOR FOUR (4) YEARS FOR \$30,000
EACH FISCAL YEAR FOR A TOTAL OF \$120,000 EXCLUSIVE OF
NMGRT. MUNIS CONTRACT NO. 3200652**

Mike Moya

**B) HIGHWAY SUPPLY FOR FOUR (4) YEARS FOR \$30,000 EACH
FISCAL YEAR FOR A TOTAL OF \$120,000.00 EXCLUSIVE OF NMGRT.
MUNIS CONTRACT NO. 3201144. Mike Moya**

Approved on consent.

**14. REQUEST FOR APPROVAL OF A BUDGET AMENDMENT RESOLUTION
(BAR) BUDGET INCREASE FROM CASH BALANCES FOR THE VALLI BILL
PRINT AND DENOVO CONTRACT FOR SERVICE CONTRACTS IN THE
AMOUNT OF \$300,000.00; MUNIS ACCOUNT NUMBER 5110351.510310.
Nancy Jiminez**

Approved on consent.

**15. REQUEST FOR APPROVAL OF RESOLUTION NO. 2019-_____. A
RESOLUTION DIRECTING THE CITY MANAGER TO IDENTIFY AND APPLY
FOR FEDERAL AND STATE FUNDING SOURCES FOR WATER,
WASTEWATER AND OTHER WATER RELATED PROJECTS. Alan Hook**

Approved on consent.

**16. REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT REQUEST (BAR)
FOR RE-APPROPRIATION OF FUNDS FOR THE AMOUNT OF \$2,341, 621
APPROVED PURCHASES IN FY 2018/2019. Lawrence Garcia**

Approved on consent.

17. **REQUEST FOR APPROVAL OF A BUDGET ADJUSTMENT REQUEST (BAR) BUDGET INCREASE FOR THE YUKON CONTRACT AND CHEMICALS FOR WATER TREATMENT INTO OPERATING SUPPLIES (530200) AND REPAIR/MAINTENANCE SYSTEM EQUIPMENT (520150) FOR THE TOTAL AMOUNT OF \$259,959. Jonathan Montoya**

Approved on consent.

18. **CONSIDERATION OF BILL NO. 2019-_____; AN ORDINANCE AMENDING EXHIBIT A OF CHAPTER 22 SFCC 1987 TO ADD A PROVISION TO ALLOW FOR A MORE ACCURATE READING OF WASTEWATER DISCHARGE; AND AMENDING VARIOUS TABLES TO REMOVE PROVISIONS THAT ARE NO LONGER APPLICABLE. Shannon Jones**

Approved on consent.

19. **MATTERS FROM THE PUBLIC**

None

20. **MATTERS FROM THE CITY ATTORNEY**

None

21. **MATTERS FROM STAFF**

None

22. **MATTERS FROM THE COMMITTEE**

Chair Rivera said he heard The Downs is having issues in providing effluent to the infield. Did they ask us for help.

Mr. Jones said he is not aware of that.

Chair Rivera asked how did they manage that infield during the time we had problems.

Mr. Schneider said they have three ponds for storage.

Chair Rivera said look into that please, separate from the effluent issue we had.


23. **NEXT MEETING**
NOVEMBER 6, 2019

24. **ADJOURN**

There being no further business before the Committee the meeting adjourned at 5:00 pm.



Councilor Christopher Rivera, Chair



Elizabeth Martin, Stenographer

City Backflow Prevention Program Update

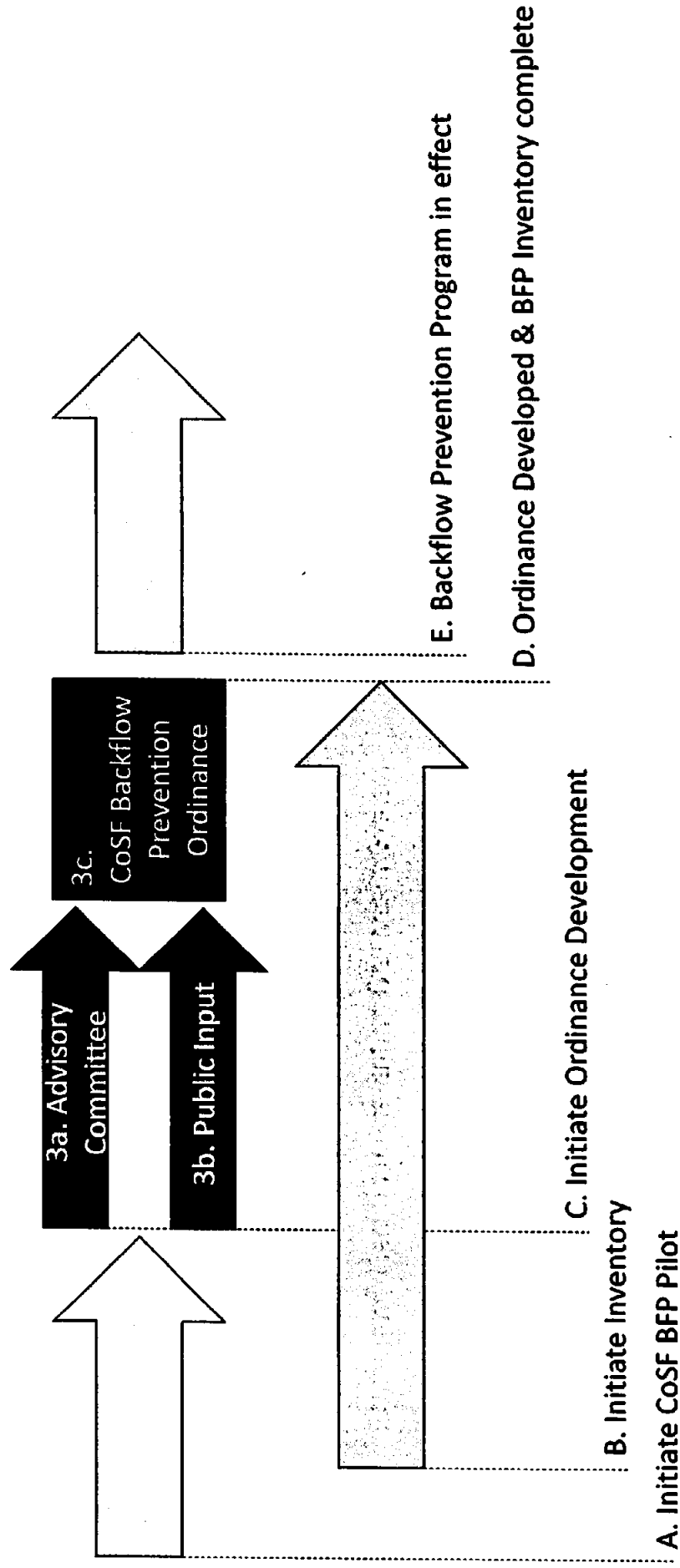
PUC: October 2nd, 2019 Jesse Roach, Water Division Director

- September 4, 2019 Informational Item, PUC
 - Councilor Ives asked about # citations in last 10 years for lack of Backflow Prevention: **Zero**
 - Councilor Ives asked how much of total water use was outdoor: **For 2017 ~40%** see final slide for detail.
 - Councilor Villareal requested a recommendation at October PUC
 - Water Division was unable to develop a satisfactory recommendation for inclusion in packet by 9/20
- September 20, 2019 Staff Meeting to Develop a Plan:
 1. City Backflow Pilot Project
 2. Water System Backflow Preventer Inventory
 3. Ordinance
 - a) Advisory Committee
 - b) Public Input
 - c) Draft Ordinance
 4. Backflow Preventer Testing Requirement Implemented
- November 6, 2019 Proposal for City Pilot Backflow Prevention Pilot Project to PUC
 - 88 Meters to City Owned Buildings
 - 157 Meters for Parks and Irrigation
 - 21 Meters for Fire Service

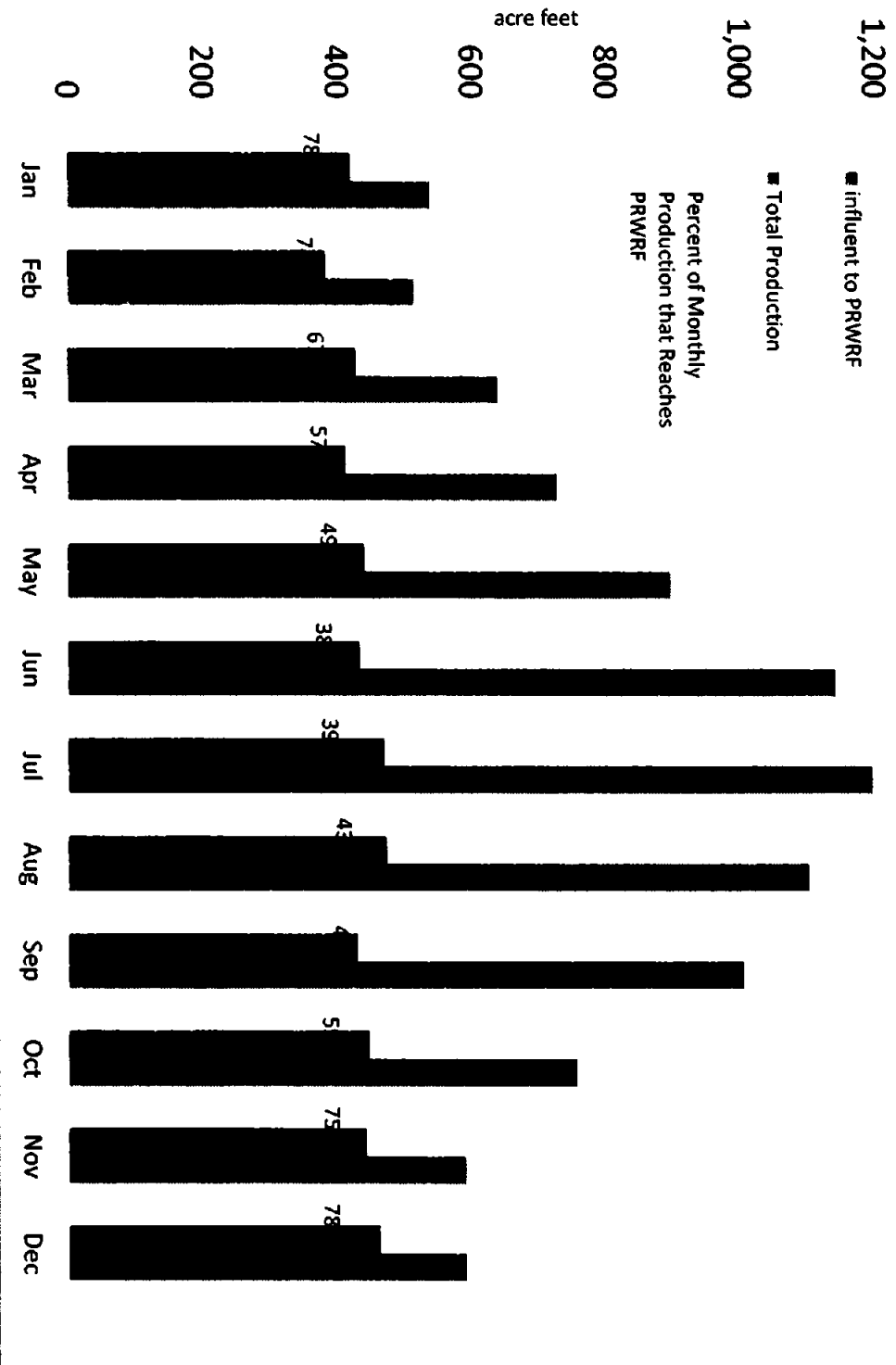
City Backflow Prevention Program Update

PUC: October 2nd, 2019 Jesse Roach, Water Division Director

Draft Plan for Implementation of a Backflow Prevention Program in CoSF



PRWRF Influent Flows vs. Total Production by Month 2017



2017 Losses & Outdoor use:
 Range: 22% - 61% per month
 Average: 46%

According to 2017 Water Audit, 95% of produced water was delivered to customer meters ("revenue" water). Accounting for this, annual percentage of delivered water reaching PRWRF was 57%. 43% didn't get there.

~43% of water delivered to customers did not reach PRWRF. Most of this represents outdoor use.