

MINUTES
MEETING OF THE SAN ANTONIO WATER SYSTEM
CAPITAL IMPROVEMENTS ADVISORY COMMITTEE

Wednesday, August 15, 2018

9:00 A.M.

SAN ANTONIO WATER SYSTEM
ADMINISTRATION BUILDING
CONFERENCE ROOM C-154

1. Meeting called to order

The regular meeting of the Capital Improvements Advisory Committee (CIAC) was called to order at 9:10 A.M. on Wednesday, August 15, 2018 by Dan Kossl, Chairman, Capital Improvements Advisory Committee.

Committee Members Present:

Susan Wright, District 2
Michael Cude, District 4
Michael Hogan, District 6
Michael Moore, District 9
Dan Kossl, District 10
Stephen Colley, Mayor/ETJ

Committee Members Not Present:

Arlene B. Fisher, District 1
Debra Ann Guerrero, District 3
Vacant, District 5
Fred Rangel, District 7
Amy Hardberger, District 8

SAWS Staff Members Present:

Andrea Beymer, Vice-President, Engineering and Construction
Keith Martin, Corporate Counsel
Sam Mills, Director, Special Projects
Tracey Lehmann, Director, Development
Lou Lendman, Manager, Budget
Mark Schnur, Senior Resource Analyst
Jackie Kneupper, Planner III
Patrick Middleton, Planner II
Rene Gonzalez, Planner III
Benjamin Benzaquen, Senior Financial Analyst

Antonio Ramsey, Internal Auditor
Bobby Johnson, Manager, Engineering
Darren Thompson, Director, Water Resources
Martha Wright, Resource Analyst
Dana Nichols, Manager, Conservation

Other Representatives Present:

Brian Hughes, District 7 Representative Elect
Allison Cohen, San Antonio Apartment Association
Morris Harris, City of San Antonio
Jeff Pullin, City of San Antonio
Garland Scott

2. Citizens To Be Heard

There were no citizens to be heard.

3. Approval of the minutes of the CIAC regular meeting of July 25, 2018.

The committee approved the minutes of the July 25, 2018 meeting with one correction:

6. Briefing and Deliberation on the Water CIP

“Mr. Johnson responded that those presented were only a portion of the new projects, and existing projects will be included in the CIP.”

4. SAWS Conservation Department presentation and deliberation on Water EDUs by Geographic Location.

Prior to the presentation, Mr. Kossl introduced and welcomed the new CIAC nominee, Brian Hughes. Mr. Kossl went on to clarify member designations as “Real Estate / Development” or “Community” representatives:

District 1) Arlene Fisher – Community
District 2) Susan Wright – Real Estate / Development
District 3) Debra Guerrero – Real Estate / Development
District 4) Michael Cude – Real Estate / Development
District 5) Vacant
District 6) Michael Hogan – Real Estate / Development
District 7) Brian Hughes – Community
District 8) Amy Hardberger – Community
District 9) Michael Moore – Real Estate / Development
District 10) Daniel Kossl – Real Estate / Development
Mayoral/ETJ) Stephen Colley – ETJ Real Estate / Development

Ms. Martha Wright, Resource Analyst, Conservation, presented on water usage comparisons between neighborhoods in the SAWS service area.

5. Briefing and deliberation on the definition of a Wastewater EDU.

Mr. Lehmann delivered a presentation on the definition of a wastewater EDU. Ms. Wright asked if sewer overflows could be attributed to foreign debris entering the sewer system, more so than a lack of capacity. Ms. Beymer explained that grease and debris issues are typically handled by the operations side of SAWS. Ms. Beymer continued that the total cost of the EPA Consent Decree is approximately \$1,000,000,000, and of that total \$850,000,000 is designated for CIP (indicative of capacity and condition issues within the sewer infrastructure). Mr. Hughes asked for clarification on how the \$850,000,000 is being spent. Ms. Beymer explained that the funds are divided between capacity needs and condition issues, which are multifaceted, and a breakdown of the Consent Decree budget can be provided to the members.

Mr. Hughes requested clarification on why the wastewater EDU was being reduced from 240 GPD to 200 GPD. Mr. Lehmann responded that this was most likely to do to increased efficiencies with low flow fixtures, and that 200 GPD was derived from what staff was monitoring at SAWS wastewater treatment plants.

Mr. Colley asked how the condition of existing sewer infrastructure is taken into account in CIP planning. Ms. Beymer responded that the entire system is televised during CIP planning to assess condition, and a report can be provided detailing condition versus capacity requirements. Mr. Mills added that when a pipe is replaced for condition, typically the capacity will be increased if there is a need. Ms. Beymer reiterated that the capacity of the pipe is increased only if there is expected growth and demand in the service area.

In response to Mr. Hughes earlier question on the lowering of the EDU from 240 GPD to 200 GPD, Mr. Johnson emphasized that SAWS staff were initially skeptical of the drop, and the final number was verified by data from the water recycling centers, winter averaging of water consumption, and flow meters throughout the collection system. Mr. Colley asked if storm event frequency was analyzed. Mr. Johnson responded that they did not isolate rain events, but rather looked at the average flow over the year. Mr. Hogan asked if the flow meters at the plant would capture the rain events. Mr. Johnson explained that the flow being measured does not account for attenuation in the system, ponding in the system, and equalization basins which normalize the flow going in to the treatment plant.

Mr. Cude asked if the lowering of the EDU would equate to less dollars spent on CIP for sewer infrastructure. Mr. Lehmann replied that yes, theoretically the lowering of the EDU should equate to fewer projects. However, due to the Consent Decree, the number and scope of projects will likely stay the same. The lowering of the EDU may lead to opportunities to reduce the size of pipe needed, or will provide capacity needed for future growth beyond the ten year planning window.

Mr. Hughes asked if the I&I factor would decrease as the infrastructure is improved or replaced. Mr. Lehmann responded that yes, it should, however other parts of the system will continue to age and decline in condition.

Mr. Kossel asked how the change affects the design of pipes for new development. Mr. Mills explained that the collection system design requirements will be reduced from 675 GPD/EDU to

650 GPD/EDU (based on reduction in the average daily flow to 200 GPD/EDU when combined with the increase of the I/I factor to 600 gallons per acre estimating 4 EDUs per acre).

6. Briefing and deliberation on the Wastewater LUAP.

Mr. Lehmann delivered a presentation on the Wastewater LUAP.

Mr. Kossel asked if the population projections used in the SAWS Water Management Plan would be the same used in the current LUAP. Mr. Lehmann and Mr. Gonzalez confirmed that the same projections would be used.

Ms. Wright commented that the current LUAP assumes that the number of septic system customers in the system will remain the same over time, and asked if this assumption is realistic. Mr. Lehmann responded that over the long term, the number of septic system customers will most likely change, but it is safe to assume that the number will remain relatively unchanged in the five year window in which SAWS staff will return to reevaluate the LUAP.

Mr. Kossel commented that in the 2014 LUAP, during the Bexar Met Water District merger, it was projected that the system would grow by 96,000 EDUs over a ten year period, and the current LUAP is predicting 132,000 EDUs over a ten year period.

Mr. Cude asked for clarification on why the Population / EDU projection changed from 2.38 to 2.57. Mr. Lehmann explained that the new figure was used from data derived from the 2017 SAWS Water Management Plan, which did not exclude septic and irrigation customers as was done in the previous LUAP.

Ms. Wright commented that the CIAC's recommendation on what population growth data SAWS staff is using in the LUAP should be clarified in the committee's findings.

7. Briefing and deliberation on the Wastewater CIP.

Mr. Johnson delivered a presentation on the Wastewater CIP including a brief background on the existing sewer infrastructure.

Mr. Hughes commented that although water efficient toilets reduce the volume of influent to the treatment plant, they do not reduce the bio load. Mr. Hughes asked if the treatment plant focused only on volume, or bio load as well. Mr. Johnson responded that yes, the treatment plants must take into account bio load and increased concentration with the reduction of water used for toilets. This may become more of an issue for the treatment process as less water is used due to low flow plumbing fixtures.

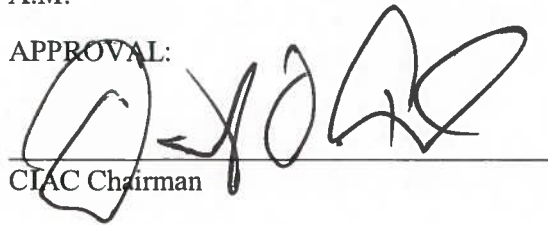
Mr. Colley asked if the proposed sewage storage project on Rilling Road was designed to be subterranean. Mr. Johnson explained that the project is most likely going to be more akin to an equalization basin. Mr. Colley asked if odor would be an issue with such a design. Mr. Johnson explained that odor would be an issue analyzed during the design process. Mr. Lehmann added that the project was intended mainly for storm flow, and is intended to be empty a majority of the year.

All presentation materials can be found on the SAWS CIAC webpage:
http://www.saws.org/business_center/developer/impactfees/meetings.cfm

8. Adjournment

The committee agreed to meet on August 22, 2018 at 9:00. The meeting was adjourned at 11:23 A.M.

APPROVAL:



CIAC Chairman

