

MINUTES
MEETING OF THE SAN ANTONIO WATER SYSTEM
CAPITAL IMPROVEMENTS ADVISORY COMMITTEE
Wednesday, July 25, 2018
9:00 A.M.
SAN ANTONIO WATER SYSTEM
ADMINISTRATION BUILDING
EXECUTIVE CONFERENCE ROOM A-695

1. Meeting called to order.

The regular meeting of the Capital Improvements Advisory Committee (CIAC) was called to order at 9:04 A.M. on Wednesday, July 25, 2018 by Dan Kossl, Chairman, Capital Improvements Advisory Committee.

Committee Members Present:

Arlene Fisher, District 1
Susan Wright, District 2
Michael Cude, District 4
Michael Hogan, District 6
Amy Hardberger, District 8
Michael Moore, District 9
Dan Kossl, District 10
Stephen Colley, Mayor/ETJ

Committee Members Not Present:

Debra Ann Guerrero, District 3
Fred Rangel, District 7

SAWS Staff Members Present:

Andrea Beymer, Vice-President, Engineering and Construction
Steve Clouse, Senior Vice-President, Chief Operating Officer
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
Eric Cloudt, Director, Continuous Improvement & Innovation
Benjamin Benzaquen, Senior Financial Analyst
Antonio Ramsey, Internal Auditor

Bobby Johnson, Manager, Engineering
Cristina Brantley, Manager, Engineering
Stacey Isenberg, Chief of Internal Audit
Abel Borunda, Graduate Engineer I
Darren Thompson, Director, Water Resources

Jennifer Ivey, Carollo Engineers (SAWS Consultant)

Other Representatives Present:

Hector Morales, San Antonio Apartment Association
Allison Cohen, San Antonio Apartment Association
Harris Morris, City of San Antonio
Jeff Pullin, City of San Antonio
Edward Mayberry, City of San Antonio
Heder Herrera, Garcia Infrastructure

2. Citizens To Be Heard

There were no citizens to be heard.

3. Approval of the minutes of the CIAC regular meeting of June 27, 2018.

The committee approved the June 27, 2018 minutes.

4. Follow up on CIAC member information requests from the June 27, 2018 meeting.

Mr. Lehmann began the meeting by reminding the CIAC that Henry Reyes, District 5, has resigned from the committee, and that Fred Rangel, District 7, is in the process of being replaced with a new nominee by the Councilmember. Mr. Mills commented that SAWS staff has no influence on the appointments, and is neutral as to the choice of committee members by Council.

Mr. Lehmann informed the CIAC that the definition of the Waste Water EDU will be held for a future date. Mr. Lehmann explained that SAWS staff is concerned that the apparent drop in the average daily sewer flow would result in apparent extra capacity in the system. Due to the ongoing Consent Decree with the Environmental Protection Agency, SAWS staff cannot realistically design the system with a reduction in daily flow. Currently, SAWS regulations call for an inflow and infiltration (I&I) factor of 300 gallons per acre. Based on past flow monitoring, this factor may not be sufficient. If the average daily sewer flow is to decrease, SAWS staff may need to recommend an increase to the I&I factor to reflect the conditions of the system accurately. SAWS staff is currently examining the possible outcomes, and hopes to bring a presentation to the CIAC by the next meeting. Mr. Kossl asked for clarification on the I&I factor. Mr. Lehmann responded that it is 300 gallons per acre. Mr. Lehmann continued that the industry

standard is 4 EDUs per acre, which would equate to 75 gallons per EDU. Mr. Mills commented that the issue lies in the fact that if you lower the average daily flow, it affects the overall design flow number. Currently, when designing a sewer pipe, the design standard is 675 gallons per EDU for peak wet weather flow. Changing the average daily flow would alter this regulation standard. Mr. Kossl commented that modern pipe material must be more efficient in reducing I&I than older pipe material, and questioned if new development could be penalized for past I&I issues. Mr. Mills agreed that new development is assumed to be far more intact on day one. However, that pipe is taken on by SAWS into perpetuity, and I&I will most likely increase through the years. Furthermore, new development continues to utilize older existing sewer infrastructure. Mr. Hogan asked if I&I was an issue during dry weather periods. Mr. Johnson answered that, no, I&I is not typically an issue during dry weather. Mr. Johnson clarified that inflow is typically from rain events, and infiltration is characterized by slow leaks into the sewer system due to a high water table or ground saturation, which the SAWS system generally does not experience. Mr. Hogan asked if the variation between wet weather and dry weather flows at the treatment plants would accurately depict the I&I component. Mr. Johnson replied that the flow is measured at the effluent of the treatment plant, and the equalization basins which store the flow prior to the influent reaching the plant would not allow for accurate measurement in this manner. Mr. Clouse added that SAWS is planning on adding additional equalization basins in the future, potentially upstream of the plant, to handle the peak wet weather flow.

Mr. Lehmann addressed a question from the previous meeting regarding water usage in newer development compared to older development. He informed the CIAC that Dana Nichols, Manager, Conservation Department, would be providing a presentation in the upcoming meeting to evaluate this topic.

Mr. Lehmann addressed questions from the previous meeting regarding the volume of water stored by SAWS Aquifer Storage and Recovery Plant (ASR).

5. Briefing and Deliberation on the Water Land Use Assumption Plan.

Mr. Lehmann delivered a presentation on the SAWS Water Land Use Assumption Plan. Mr. Hogan asked for clarification on how SAWS staff derived the 2.77 persons per connection factor. Mr. Gonzalez clarified that the 2.77 persons per connection figure comes from the 2010 census data, (both population and households), which encompasses all census blocks that fall within the SAWS CCN boundary. Mr. Cude commented that he believed apartments to be counted at $\frac{1}{2}$ of an EDU per unit. Mr. Lehmann answered that this method was only used in calculating the impact fees paid by apartments, but not for calculating EDUs for the LUAP. Ms. Hardberger recalled that during the last Impact Fee Study, there were several different population figures used by different agencies throughout the city, and if currently the city would use a unified population figure. Mr. Gonzalez answered when the San Antonio City Council adopted the population projections developed in 2014 by the MPO, they recommended that all San Antonio agencies utilize the same population data to be consistent with the COSA. Mr. Kossl commented that the increase in EDUs in Low Elevation is unique to previous studies. Mr. Mills responded that the Low Elevation contains the far west side of San Antonio, which has experienced substantial growth in recent years.

Mr. Kossl requested that Jennifer Ivey, Carollo Engineers, be formally introduced to the CIAC. Mr. Lehmann introduced Ms. Ivey as the Project Manager for the SAWS 2019 Impact Fee Study.

6. Briefing and Deliberation on the Water CIP.

Mr. Johnson presented an overview of the Water CIP including a brief history of the San Antonio Water System. Mr. Colley asked for clarification on what type of treatment would be necessary to join the Vista Ridge water to the SAWS System. Ms. Beymer responded that the Vista Ridge water will be a softer water, and the concern is that the chemical makeup of this water could potentially leach calcium carbonate from the existing pipes causing a water quality issue. The water will be treated to establish a hardness level compatible with Edwards Aquifer water in order to avoid leaching. Ms. Hardberger asked if all projects shown in Mr. Johnson's presentation were the only projects included in the CIP. Mr. Johnson responded that those presented were a portion of the new projects, and existing projects will be included in the CIP.

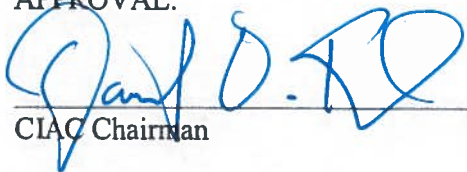
Prior to adjournment the CIAC discussed scheduling for future meetings. Ms. Wright asked if would not be better to meet once per month, as the previous meetings have been concluded well within the two hour time frame. It was discussed if the next meeting should be cancelled, and the committee reconvene on August 22nd. Ms. Beymer expressed concern that, by cancelling future meetings, SAWS staff needing further direction may need to make changes and assumptions without the CIAC's input. It was decided not to cancel the August 8th meeting, but to postpone it to August 15th.

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

7. Adjournment

The committee agreed to meet on August 15, 2018 at 9:00. The meeting was adjourned at 10:05 A.M.

APPROVAL:



CIAC Chairman