



Water Advisory Board Minutes

WATER ADVISORY BOARD MINUTE RECORD

The City of San Angelo

Monday, May 21, 2018

OPEN SESSION

BE IT REMEMBERED the Water Advisory Board convened in a meeting at 1:30 P.M., Wednesday, May 21, 2018, in the San Angelo McNease Convention Center, 501 Rio Concho Drive, San Angelo, Texas. Board members present were Chuck Brown, Casey Barrett, Kendall Hirschfeld, Ben Wiese, Steve Floyd, and Jonathan Jennings. Non-voting members present were Stan Meador and Allison Strube. Staff members in attendance were Tina Dierschke, Theresa James, Ricky Dickson, Paulina Levy, Michael Dane, Lance Overstreet. Whereupon, the following business was transacted:

1. Call to Order

Ben Wiese, the de facto Chairman of the Board with Mr. Boyd's term ending, called the meeting to order at 1:30 P.M. Mr. Wiese gave the opportunity for anyone present to come forward for public comment.

A local physician, Eric Iglar, voiced his belief that stormwater funds are being misused because too many areas of town that have flooding. Mr. Iglar believes the 2007 stormwater plan was inadequate in addressing flood risk between Butler Drive and Whitney Drive. Mr. Iglar also expressed the Bentwood neighborhood has no stormwater planning. Mr. Iglar highlighted the manner flooding poses an obstacle for emergency service access. Mr. Iglar finished his comments by detailing his many attempts to speak on this issue.

Mayor Brenda Gunter supported the comments made by Mr. Iglar and also brought up future plans for the problem areas mentioned by Mr. Iglar. She finalized her comments by communicating this is a small fix and more projects need to be undertaken.

2. Regular Agenda

a. Consider approving the February 13, 2018 Water Advisory Board regular meeting minutes

The minutes from the February 13, 2018 City of San Angelo Water Advisory Board meeting were presented. Motion to approve the minutes was made by Mr. Wiese and seconded by Mr. Brown. The motion carried unanimously.

b. Consider appointing a new board vice-chairman

Mr. Wiese nominated Mr. Brown as vice-chairman. The vote approving Mr. Brown as vice-chairman carried unanimously.

c. Update on water supply projections (Presentation by Water Utilities Analyst, Paulina Levy)

Factors taken into consideration for calculating water supply include Colorado River Municipal Water District's last pumping date for O.H. Ivie; the current volume for O.C. Fisher, Twin Buttes

Reservoir, and Lake Nasworthy; the Texas Water Development Board's evaporation rates for San Angelo's surface water; and, our current usage of the Hickory.

d. Update on the Hickory Project Expansion (Presentation by Water Utilities Director, Allison Strube)

The City of San Angelo entered a contract with Enprotec, Hibbs & Todd, Inc. as approved by City Council on March 20, 2018. The contract is to expand the Hickory Wellfield pumping and production capacity. Approximately \$2.3 million remaining from original \$120 million loan are being used to fund part of the expansion.

Mr. Floyd asked if Water Utilities had considered the remaining amount from the original project cost in the 2015 rate plan. The City had not, as it did not expect the original project to come under budget.

Mr. Brown asked how many additional wells will be built. Mrs. Strube responded that the contracted engineering firm is studying how many wells are needed.

Mr. Hirschfeld asked how the remaining project cost will be financed. Mrs. Strube explained the project will be financed by a \$40 million bond, which was part of the 2015 rate plan.

e. Update on the Water Supply Engineering Feasibility Study (Presentation by Water Utilities Director, Allison Strube & Project Manager, Scott Hibbs with Enprotec, Hibbs & Todd, Inc.)

As San Angelo's population increases and reservoir volumes decrease, there is a challenge to meet the water demand of the city. Therefore, a study was commissioned and conducted over the past year in order to find new water sources to supply the city's growing needs.

The engineers and consultants started with 24 water supply options and narrowed it down to a final four feasible options. Options were eliminated through fatal flaws, planning level analysis and cost estimate screenings. The remaining four options are groundwater pumping, direct potable reuse, and two indirect potable reuse projects.

James Beach discussed how the Edwards-Trinity Plateau Aquifer has good water quality and will continue to be studied (cost analysis has not been done yet). Mr. Brown asked where wells would go, however that has not yet been determined. Mr. Jennings asked if the responsible groundwater districts were showing resistance, however communication has not extended to those entities yet. Mr. Jennings also asked about recharge rates for aquifer, and Mr. Beach assured it was quick enough for sustainability. Mr. Hirschfeld inquired as to why the city never tapped into the aquifer before, including previous advantages and disadvantages. In response, Mr. Jennings speculated the overseeing groundwater district would show pushback. Mr. Barrett was curious about the aquifer's depth, and learned it was somewhat shallow. Mr. Meador asked how these conclusions differ from the SWAT analysis. Mr. Hibbs mentioned how water law is ever changing.

Next, Ellen McDonald talked about indirect potable reuse: purifying the water at the wastewater treatment plant and piping it to Lake Nasworthy, then having the water production plant collect the water downstream. A similar process would occur to augment the Concho River. The fourth and final option was direct potable reuse.

Mr. Meador was curious about evaporation rates in indirect potable reuse, which rely on environmental buffers to naturally treat the water and transport it to storage. Mrs. McDonald clarified the relationship between use and storage losses. Mr. Wiese asked about treatment requirements prior to point-source discharge, and learned requirements into Concho is lower than Nasworthy.

Mr. Brown asked timeline until completion of the study. He also requested the final update be placed on the future agenda, likely toward the end of summer. Scott Hibbs then detailed the next steps in this project; modeling, evaluating, discharge permit, and finally report back.

Mr. Meador asked if only one of the presented options will be selected or make the next water supply a combination of the options. Mr. Hibbs explained that for reuse, only one option can be chosen at this time. However, these options will sustain demands for 20-30 years.

Madam Mayor Brenda Gunter made a comment about how the vegetation is taking up Nasworthy water and the city should address it.

Mr. Hirschfeld expressed his preference for the aquifer option. Mr. Jennings depicted a benefit, which is the infrastructure improvements to both the wastewater and water treatment plants that would result from selecting a reuse project. Mr. Meador brought up the possible negative public perception, and Mr. Jennings countered by suggesting powerful public education. Madam Mayor Brenda Gunter expressed people are headstrong and will not want reused water.

f. Announcements and consider future agenda items

Mr. Hirschfeld expressed the water conservation plan should be re-evaluated – specifically the drought contingency plan.

3. Adjournment

The meeting adjourned at 2:45 P.M.

THE CITY OF SAN ANGELO
WATER ADVISORY BOARD



Ben Wiese, Chairman

ATTEST:



Allison Strube, Secretary