

CITY OF SHAVANO PARK
WATER ADVISORY COMMITTEE MEETING
900 SADDLETREE COURT, SHAVANO PARK, TX 78231
MONDAY, NOVEMBER 8, 2021
5:30 PM
AGENDA

The meeting agenda and agenda packet are posted online at www.shavanopark.org.

1. CALL TO ORDER

2. ROLL CALL

3. CITIZENS TO BE HEARD

The Water Advisory Committee welcomes Citizens to be heard, we request that if you wish to speak that you follow these guidelines. Pursuant to Resolution No. R-2019-011 citizens are given three (3) minutes to speak during Citizens to be heard. Members of the public may only speak once and cannot pass the individual's allotted time to someone else. In compliance with the Texas Open Meetings Act, the Water Advisory Committee may not deliberate on comments (Attorney General Opinion – JC0169)

4. CONSENT AGENDA

- a. Approval - Water Advisory Committee Revised Meeting Minutes, July 12, 2021
- b. Approval - Water Advisory Committee Revised Meeting Minutes, July 22, 2021
- c. Approval - Water Advisory Committee Meeting Minutes, October 11, 2021

5. REPORTS - Public Works Director Update

- a. Water system
 - i. Water System Infrastructure Updates
 - Water Meters
 - ii. NW Military update

6. REGULAR BUSINESS

- a. Discussion / Action – Nomination and appointment of Chairman
- b. Discussion / Action – Nomination and appointment of Vice-Chairman
- c. Discussion / Action - Well #1 consideration to reactivate or temporarily cap to meet EAA and TCEQ requirements - PW Director
- d. Discussion - EPP (Emergency Preparedness Plan) update on Water Systems requirements mandated in the new SB3 - PW Director

7. FUTURE ITEMS

- a. Sanitary Sewer Easements around well sites

8. ADJOURNMENT

Accessibility Statement. The facility is wheelchair accessible and accessible parking spaces are also available in the front and sides of the building. The entry ramp is located in the front of the building. Sign interpretative services for meetings must be made 48 hours in advance of the meeting. Call the City Secretary at 210-581-1116 or TDD 1-800-735-2989.

CERTIFICATE:

I, the undersigned authority, do hereby certify that the above Notice of Meeting of the governing body of the above named City of Shavano Park Water Advisory Committee is a true and correct copy of said Notice and that I posted a true and correct copy of said Notice on the bulletin boards, of the City Hall of said City Shavano Park, Texas, a place convenient and readily accessible to the general public at all times, and said Notice was posted on this the 4th day of November 2021 at 4:57 pm and remained so posted continuously for at least 72 hours preceding the scheduled time of said meeting.

Trish Nichols
City Secretary

1. CALL MEETING TO ORDER

Chairman Walea called the meeting to order at 3:05 p.m.

2. ROLL CALL

PRESENT:
Al Walea, Chairman
Tommy Peyton
Thomas Palmer
Matt Trippy
Sam Bakke

ABSENT:
Steve Fleming

3. CITIZENS TO BE HEARD

No one signed up to address the Water Advisory Committee at this time.

4. CONSENT AGENDA

a. Approval of Water Advisory Committee Meeting Minutes

Member Peyton moved to approve Water Advisory Committee Meeting Minutes from the meeting dated June 14, 2021.

Member Palmer seconded the motion.

The motion carried with a unanimous vote.

5. REPORTS

a. Water System Update

PW Director Peterson gave update on the water system. This update included a report on repairs being completed on Well #7 and steps taken to begin re-activation of Well #1.

b. Financial Reports

i. May 2021 Financial Report

Finance Director Morey discussed the May 2021 Financial Report.

Member Peyton made a motion to approve the May 2021 Financial Report.

Member Trippy seconded the motion.

The motion carried with a unanimous vote.

6. REGULAR BUSINESS

a. Discussion / Review – FY 2021-22 Expenses Budget

Water Advisory Committee Meeting Minutes July 12, 2021

Finance Director Morey and PW Director Peterson discussed the updated FY 2021-22 Expenses Budget.

Committee members reached a consensus to have another meeting before August 6th to approve FY 2021-22 Expenses Budget.

No action taken.

b. Discussion / Review – Water Goals and Objectives FY 2021-22

PW Director Peterson discussed updated Water Goals and Objectives for FY 2021-22.

Member Peyton made a motion to approve Water Goals and Objectives for FY 2021-22.

Member Trippy seconded the motion.

The motion carried with unanimous vote

c. Discussion – NW Military Hwy Water Line Relocation

PW Director gave an update on the NW Military Hwy Water Line Relocation.

d. Discussion / Action –Time of Future WAC Meetings

The committee discussed the time for future meetings and reached a consensus to schedule future meetings in the evenings.

7. FUTURE ITEMS

a. Sanitary Sewer Easements around well sites

8. ADJOURNMENT

Member Peyton made a motion to adjourn the meeting.

Member Bakke seconded the motion.

The motion to adjourn the meeting carried with a unanimous vote.

The meeting ended at 4:20 pm.

Al Walea, Chairman

Jessica Chinski, Office Manager

1. CALL MEETING TO ORDER

Chairman Walea called the meeting to order at 3:02 p.m.

2. ROLL CALL

PRESENT:
Al Walea, Chairman
Tommy Peyton
Sam Bakke

ABSENT:
Steve Fleming
Tomas Palmer
Matt Trippy

3. CITIZENS TO BE HEARD

No one signed up to address the Water Advisory Committee at this time.

4. CONSENT AGENDA

a. Approval of Water Advisory Committee Meeting Minutes

This item was postponed until next meeting.

5. REPORTS

a. Water System Update

PW Director Peterson gave update on the order of the replacement water meters, noting that the water meter orders have a long lead time for order fulfillment.

Chairman Walea suggested that the city order all replacement meters as soon as possible considering the long lead times for order fulfillment.

6. REGULAR BUSINESS

a. Discussion / Action – Proposed FY 2021-22 Capital Expense Budget

PW Director Peterson and Finance Director Morey discussed the updated FY 2021-22 Expense Budget.

Member Peyton made a motion to approve the proposed FY 2021-22 Capital Expense Budget.

Member Bakke seconded the motion.

The motion carried with a unanimous vote.

b. Discussion / Review – Water Fund Budget FY 2021-22

PW Director Peterson and Finance Director Morey discussed updated Water Fund Budget for FY 2021-22.

Member Bakke made a motion to approve Fund Budget for FY 2021-22.

Member Peyton seconded the motion.

The motion carried with a unanimous vote

7. FUTURE ITEMS

- a. **Sanitary Sewer Easements around well sites**

8. ADJOURNMENT

Member Peyton made a motion to adjourn the meeting.

Member Bakke seconded the motion.

The motion to adjourn the meeting carried with a unanimous vote.

The meeting ended at 3:26 pm.

Al Walea, Chairman

Jessica Chinski, Office Manager

1. CALL MEETING TO ORDER

Chairman Walea called the meeting to order at 5:31 p.m.

2. ROLL CALL

PRESENT:
Al Walea, Chairman
Tommy Peyton
Sam Bakke
Matt Trippy
Steve Fleming
Mike Colemere

ABSENT:
None

3. CITIZENS TO BE HEARD

No one signed up to address the Water Advisory Committee at this time.

4. CONSENT AGENDA

- a. **Approval of Water Advisory Committee July 22 Meeting Minutes**

This item was postponed until next meeting.

5. REPORTS

- a. **Water System Update**
 - i. **Water System Infrastructure Update**

PW Director Peterson provided an update on the water system infrastructure. This update included parts repaired in Well #7 and Well #5 and plans to plug Wells #3 and #4.

PW Director Peterson provided an update on the status of the order for replacement water meters.

- ii. **NW Military Update**

PW Director Peterson gave an update on the NW Military project.

- b. **June 2021 Financial Report**

PW Director Peterson provided a copy of June 2021 Financial Report for review.

- c. **July 2021 Financial Report**

PW Director Peterson provided a copy of the July 2021 Financial Report for review.

- d. **August 2021 Financial Report**

PW Director Peterson reviewed the August 2021 Financial Report.

6. REGULAR BUSINESS

a. Discussion / Action – EAA Requirements to Cap or Reactivate Well #1

PW Director gave an update on notice received by EAA instructing the city to cap, plug or reactivate Well #1.

Member Peyton made a motion to recommend to council that the city reactivate Well #1.

The motion did not get a second.

The consensus was to postpone the item.

b. Discussion / Action – EAA Requirements to Cap or Plug Wells #3 and #4

PW Director Peterson gave an update on notice received by EAA instructing the city to cap or plug Well #3 and #4.

PW Director Peterson discussed the costs and the options of plugging or capping Well #3 and #4.

Member Colemere made a motion to recommend to council to approve the plugging of both Wells.

Member Peyton seconded the motion.

The motion carried with a unanimous vote

c. Discussion – Senate Bill 3 Emergency Preparedness Plan Requirements

PW Director Peterson reviewed SB3 which requires city water systems to submit an emergency plan to be approved by the state.

7. FUTURE ITEMS

- a. Sanitary Sewer Easements around well sites**
- b. Recognition of former member Palmer at next council meeting**
- c. Elections of Committee Chairman and Vice Chairman**

8. ADJOURNMENT

Chairman Walea adjourned the meeting at 6:30 pm.

Al Walea, Chairman

Jessica Chinski, Office Manager

WATER ADVISORY COMMITTEE STAFF SUMMARY

Meeting Date: November 8, 2021

Agenda item: 6.c

Prepared by: Brandon Peterson

Reviewed by: Bill Hill

AGENDA ITEM DESCRIPTION: Discussion / Action - Well #1 Reactivation or temporarily cap – PW/W Director

X

Attachments for Reference:

- 1) Cost to camera survey and gamma test
- 2) SCADA addition

BACKGROUND / HISTORY: Well Site #1 (Shavano Dr) has a Well that was drilled back in 1946, producing 100 GPM. The 20 hp pump was replaced in 1971. The Well stayed in operation until 1983, until it was removed from service when Well 7 & 8 were purchased.

EAA requires an inactive Well to be gamma tested (tests the wall structure and integrity) and camera surveyed and a capping permit approved every 5 years.

DISCUSSION: Updates Highlighted in Yellow. Well #1 has not been operational for years. It must be placed back into operation, capped, or plugged. On July 2, 2021 PWD was notified by EEA (Groundwater Protection Coordinator) of requirements and provided for 90 days. On October 5th, City Manager and PWD discussed with EAA and was told that as long as we made progress and kept them informed, no letter of violation would be issued.

During winter storm Uri, the city was able to barely function with only Well #5 providing water to the Shavano Drive ground storage tank. By adding Well #1 to the system, it would help provide more water to the residents of Shavano Park and keep the system operational within TCEQ standards.

In May, the City had the Well #1 “pump-tested”. The results are that Well #1 pumps approximately 165 gpm, As a comparison, Well #5 pumps 230 gpm. Well #1 current depth is 618 ft.

There are two (2) – 20 hp booster pumps that pull 400 gpm from the ground storage tank to feed the elevated tank or send to distribution. If Well #1 was placed in operation, the combined capability would equal approximately 365 gpm and the system (booster pumps) could fully operate all equipment at Shavano Drive.

On Nov. 1st PWD emailed Well #1 gamma test results to the EAA for their review as required. On Nov. 2nd, EAA notified the PWD that the gamma test results (geophysical log data) indicate that the Edwards Aquifer and the Trinity Aquifer intermingle at 480 Ft. below ground surface. The geophysical log confirms that Well #1 is not constructed to current EAA specifications.

The City has two options:

- Consult with a contractor about plugging from 480 ft down. Closing off the Trinity Aquifer portion of the Well. With the lower portion of the Well now plugged, a new flow test will be required to determine the new flow rate in order to size the equipment properly. The amount of water pumped could potentially be reduced by 20-30% from the original amount of 165 gpm. If the flow rate is drastically reduced then the Well would not be worth keeping as a valued asset.
- Completely plug the Well. The Well will not be able to produce enough water to offset the cost of reactivating and maintaining the Well.

Once the Contactor and City have discussed and agree upon a plan, submit it to EAA for review and approval.

Other considerations. In the future, we could provide additional backup generator capability at Well #1; or Well #7. Analysis of what we would require has been initiated, but not completed.

Advantages to Place back in Operation

- Additional supply to the Ground Storage Tank (and therefore to the water supply) to enable booster pumps to fully function better. (If only Well #5, then only one booster pump can work at a time, which can be controlled by SCADA)
- In a situation where South side of town is not fully functional (Well #7, #8, and Huebner), then the North side of town could maintain adequate system pressure (with limitations)

Disadvantages to place back in Operation

- Cost to place into operation
- Cost to maintain in the future
- Additional manpower requirements to maintain / test
- In future, must get sanitary easements required (also on Well #5 and #6)
- Reduced flow rate likely

COURSES OF ACTION:

Possible COA: Temporarily plug bottom 138 ft with a temporary device and then preform a flow test. Based upon flow test, more to COA 1 or 2

COA 1: Plug the bottom 138 ft, and reactivate Well #1 to operate with Well #5 to fill the ground storage tank at Shavano Dr.

COA 2: Plug Well #1 completely and remove it from City Records

FINANCIAL IMPACT:

COA 1: Reactivate Well #1 to operate with Well #5 to fill the ground storage tank at Shavano Dr.

- Gamma Testing = \$2,000
- Plug the bottom 138 ft = \$X, XXX
- Flow Test again to verify how much water can be pumped/worth the maintenance repairs = \$X, XXX
- SCADA additions = \$10,250
- Installation of Water line = \$15,000
- Installation of Well pump/motor/pipe etc = Unknown, but estimate (\$35,000-40,000)
- **Approximate Total = \$XX, XXX**

COA 2: Plug Well #1 - approximately \$13,000 - \$20,000

Staff working to have more complete quotes by Monday's Meeting.

STAFF RECOMMENDATION: Continue to analyze the cost to plug a portion and determine the viability; but determine whether the Well will produce enough to help offset the cost to install and provide routine maintenance.