

**BOARD OF MANAGERS MEETING  
CANYON REGIONAL WATER AUTHORITY**

**Wednesday, March 6, 2024  
CRWA ADMINISTRATIVE BUILDING  
850 Lakeside Pass, New Braunfels, Texas 78130**

This Notice is posted pursuant to the Texas Open Meeting Act. (TEX. REV. CIV. STAT. ANN. Chapter 551, Section 31.) The Canyon Regional Water Authority will hold an in-person meeting at **10:00 AM Wednesday, March 6, 2024**, regarding provisions of the Texas Open meetings act. Additional information can be obtained by calling: (830) 609-0543.

The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

**Item**

**1 Open Meeting & Corrections to February 7, 2024, Meeting Notes**

**2 Discussion Items & Reports:**

- A. Construction Committee Report and Recommendations ~ *Construction Committee Chairperson*
  - a. Recommendation to accept Ardurra Engineering selection of DN Tanks for the Hays Caldwell Project
- B. (Draft) Drought Mitigation Report for Review (Due May 1, 2024) TCEQ Five-year update ~ *Mr. Randy Schwenn*
- C. (Draft) Conservation Plan Report for Review (Due May 1, 2024) TECQ Five-year update ~ *Mr. Randy Schwenn*
- D. Budget Committee Report ~ *Budget Committee Chairperson*
- E. Policy Committee Report ~ *Policy Committee Chairperson*

**3 Water Resources:**

- A. Precipitation update ~ *Mr. Randy Schwenn*
- B. GBRA In-Out Basin Report ~ *Mr. Randy Schwenn*
- C. Drought and Canyon Lake update ~ *Mr. Randy Schwenn*

**4 Treated Water Production Update:**

- A. Current Water Treatment Operations ~ *Mr. Randy Schwenn*
  - a. Lake Dunlap WTP
  - b. Wells Ranch WTP
  - c. Hays Caldwell WTP and Pall Mobile Unit

**5 Water Treatment Plant Improvement Projects:**

- A. Hays Caldwell WTP ~ *Ardurra*
  - a. Hays Caldwell Improvements
  - b. Hays Caldwell Pipeline Alignment Update
- B. Lake Dunlap WTP ~ *Mr. Randy Schwenn*
  - a. Alliance Water Line
  - b. Nanostone Evaluation
- C. Wells Ranch WTP ~ *Ardurra*
  - a. Wells Ranch Electrical

**6 General Construction / Design Projects:**

- A. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Encasement Project update ~ *UEG*
- B. TxDOT/CRWA FM 1518 Transmission Line Project update and estimated costs ~ *UEG*
- C. Asset Management (GIS) update ~ *UEG*
- D. CRWA Design Standards and Specifications ~ *UEG*

**7 Wells Ranch Project III**

- A. Grounding Water Leasing ~ *Mr. Randy Schwenn*
- B. Groundwater Permitting ~ *Mr. Randy Schwenn*

**8 General Topics**

- A. Selection of Construction/Design Engineers ~ *Mr. Randy Schwenn*
- B. Selection of Construction Administration Services ~ *Mr. Randy Schwenn*
- C. Future Water ~ *Mr. Randy Schwenn*

**9 Items for the next Board of Managers meeting or the Board of Trustees Meeting**

**10 Announcements and Adjourn**

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The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

<b>Item</b>	
<b>1</b>	<p><b>Open Meeting &amp; Corrections to December 6, 2023, Meeting Notes</b></p> <ul style="list-style-type: none"> <li>» Justin Ivicic Opened the meeting at approximately 10:00 AM</li> <li>» Regina Franke replaced Cayton Germany on the Board of Manager’s</li> <li>» Nicholas Sherman replaced Pat Allen on the Board of Manager’s</li> </ul>
<b>2</b>	<p><b>Discussion Items:</b></p> <ul style="list-style-type: none"> <li>A. Construction Committee Report and Recommendations ~ <i>Construction Committee Chairperson</i> <ul style="list-style-type: none"> <li>i. Recommendation to Award Ardurra Engineering for the Electrical Engineering Services for Wells Ranch Generators</li> <li>ii. Recommendation to accept Ardurra Engineering selection of DN Tanks for the Hays Caldwell Project</li> </ul> </li> <li>B. Update on Garver Engineering Analysis of the Nanostone Filtration Unit ~ <i>Mr. Randy Schwenn</i></li> <li>C. Budget Committee Report ~ <i>Budget Committee Chairperson</i></li> <li>D. Policy Committee Report ~ <i>Policy Committee Chairperson</i> <ul style="list-style-type: none"> <li>» Nicholas Sherman reported for the Construction Committee. The Electrical Engineering RFQ scoring was provided with Ardurra first, M&amp;S second, and Garver third. The Construction Committee recommends working with Ardurra to do the Electrical Engineering Services for Wells Ranch Generators.</li> <li>» There was not a representative from Ardurra present. Mr. Schwenn stated Ardurra ranked DN Tanks over Preload. Preload was approximately \$4.2 million and DN Tanks was \$4.5 million. Ardurra ranked DN Tanks at 82 and Preload at 75 on their scoring sheet.</li> <li>» The Board of Manager’s will second the Construction Committees recommendations to the Board of Trustee’s on February 12<sup>th</sup>.</li> <li>» Mr. Schwenn met with Garver Engineering, and Garver is going to do a Performance Evaluation on the Nanostone at Lake Dunlap WTP to see how much water can be produced through the tanks. The Scope of Work has been received, and the evaluation will be a little less than \$20,000 to do this phase-Evaluation. Garver will look at the overall operation of the system and see if there is anything that can be done to increase performance from 12 million gallons to 14 million gallons a day. Garver will review the data from CRWA, and it will take approximately 24 days to draft the report, then review of the draft memo and final production. It will roughly take about 2 months to fully complete the process. The Board of Manager’s will recommend Garver’s Scope of Work to the Board of Trustee’s on the February 12<sup>th</sup> meeting.</li> <li>» Regina Franke stated there is a Budget Committee meeting on February 8<sup>th</sup>. The Budget Committee will begin holding quarterly meetings.</li> <li>» Mrs. Franke stated the Policy and Legislative Committee is continuing to work on the Employee Handbook. The Committee received the legal review, and all the changes have been accepted (to date). The Policy Committee intends to have this presented to the Board of Trustee’s at the March or April meeting.</li> </ul> </li> </ul>
<b>3</b>	<p><b>Water Resources:</b></p> <ul style="list-style-type: none"> <li>A. Precipitation update ~ <i>Mr. Randy Schwenn</i></li> <li>B. Drought and Canyon Lake update ~ <i>Mr. Randy Schwenn</i> <ul style="list-style-type: none"> <li>» Mr. Schwenn gave a report on water resources. The monthly report is provided in the packet. There will be a focus on the Canyon Lake area and above for precipitation updates. GBRA is requesting an in-basin and out of basin flow report.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>» Adam Telfer provided in the drought report, a monitor of the flow into Canyon Lake and the precipitation in the Kerr County area, since this is the area that affects Canyon Lake’s water levels.</li> <li>» GBRA is trying to create a program that will mimic LCRA’s drought management plan. This has not been implemented into their plan yet. CRWA is waiting for GBRA to present this before passing it along to the member entities.</li> <li>» Abigaile Maberry spoke about educating the public about drought information. An extensive discussion followed.</li> </ul>
4	<p><b>Treated Water Production Update:</b></p> <ul style="list-style-type: none"> <li>A. Current Water Treatment Operations ~ <i>Mr. Randy Schwenn</i> <ul style="list-style-type: none"> <li>i. Lake Dunlap WTP</li> <li>ii. Wells Ranch WTP and Well Field – Well #7</li> <li>iii. Hays Caldwell WTP and Pall Mobile Unit</li> </ul> </li> <li>B. Report of Water allocated for In-Out of Basin Water ~ <i>Mr. Randy Schwenn</i> <ul style="list-style-type: none"> <li>» <u>Lake Dunlap WTP</u>: The water quality coming out of the Lake is bad. There is no water flowing over the dam, so it is causing stagnation. There is jar testing happening, and they are using chemicals to try and adjust the water quality.</li> <li>» <u>Wells Ranch WTP and Well Field</u>: Well #7 has sludge built up on it. The Well has been pulled and the pump has been rehabbed. The Well drillers are creating a solution to break up the sludge. There is a chemical that will be put into it next week to set and try to break up the sludge. Production went down on the Well, but the water level has not. The Well should be ready by February 16<sup>th</sup> depending on if the chemical comes in.</li> <li>» <u>Hays Caldwell WTP and Pall Mobile Unit</u>: The Pall Mobile Unit is being pushed hard. Information is being collected for upgrading the filters in the building. Some of the Modules are going to be pulled off the rack. Some of the meters and analyzers are being changed out. Ardurra is working with Pall on this. CRWA is on year 2 of a 2-year contract with Pall.</li> </ul> </li> </ul>
5	<p><b>Water Treatment Plant Improvement Projects:</b></p> <ul style="list-style-type: none"> <li>A. Hays Caldwell WTP ~ <i>Ardurra</i> <ul style="list-style-type: none"> <li>i. Hays Caldwell Improvements</li> <li>ii. Hays Caldwell Transmission Line Alternative Analysis</li> </ul> </li> <li>B. Lake Dunlap WTP ~ <i>Mr. Randy Schwenn</i> <ul style="list-style-type: none"> <li>i. Alliance Water Line</li> </ul> </li> <li>C. Wells Ranch WTP ~ <i>Mr. Randy Schwenn</i> <ul style="list-style-type: none"> <li>» <u>Hays Caldwell WTP</u>: Mr. Schwenn stated that Staff went over the improvements, and the application for the SWIFT funding was turned in at the end of January. On the Transmission Line, funding will be applied for at the end of March through the Texas Water Development Board.</li> <li>» <u>Lake Dunlap WTP</u>: Alliance is going to bring a water line underneath the river, and it should be completed by the end of February. The problem is the entry point into the Lake Dunlap WTP is not equipped to handle it. Mr. Schwenn has reached out to Graham Moore at Alliance to set up a meeting to fix the issue.</li> <li>» <u>Wells Ranch WTP</u>: There is a permit pending for approximately 920 AF in Gonzales. The Gonzales Water District is having a meeting on February 13<sup>th</sup> that Staff will attend.</li> </ul> </li> </ul>
6	<p><b>Water Transmission Improvement Projects:</b></p> <ul style="list-style-type: none"> <li>A. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Encasement Project update ~ <i>UEG</i></li> <li>B. TxDOT/CRWA FM 1518 Transmission Line Project update and estimated costs ~ <i>UEG</i></li> <li>C. Asset Management (GIS) update ~ <i>UEG</i></li> <li>D. CRWA Design Standards and Specifications ~ <i>UEG</i> <ul style="list-style-type: none"> <li>» <b>David Kneuper with Utility Engineering Group gave an update on the Water Transmission Improvement Projects ~</b> <ul style="list-style-type: none"> <li>» <u>TxDOT/CRWA IH-10 Transmission Line Encasement Project</u>: There was a preconstruction meeting with the contractor and TxDOT on February 6<sup>th</sup>. They plan to mobilize the project in March depending on material deliveries. Physical construction should begin in March.</li> <li>» <u>TxDOT/CRWA FM 1518 Transmission Line Project Update and Estimated Costs</u>: There was a preconstruction meeting with the contractor and TxDOT on February 6<sup>th</sup>. They plan on mobilizing on February 13<sup>th</sup>. They will begin with material deliveries and erosion control. Physical construction will begin March 1<sup>st</sup>.</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>» <u>Asset Management (GIS) Engineering Service Order:</u> There was a meeting at CRWA to take control of equipment on January 31<sup>st</sup>. UEG updated the equipment and started physical locating of the Assets. The priority was the 1604 from IH-10 to Lower Seguin Road corridor. The GIS System will be updated with the points. The project is still on schedule and still on budget.</li> <li>» <u>CRWA Design Standards and Specifications:</u> Staff provided comments on February 7<sup>th</sup> and UEG will review them. This will be updated and returned to Staff.</li> </ul>
<b>7</b>	<p><b>Notes from the General Manager</b></p> <ul style="list-style-type: none"> <li>» A Request for Qualifications (RFQ) was sent out for General Construction / Design Services. This is for smaller projects where a large firm is not necessary.</li> <li>» An RFQ was sent out for Construction Administration that was not posted correctly, so it is being reposted and should be back and presented to the Construction Committee in April.</li> <li>» Mr. Schwenn spoke with GBRA about the proposed line they are bringing up from one of their cooling tanks near the coast. Mr. Schwenn proposed bringing it to Wells Ranch WTP and using Wells Ranch WTP to send the water through. Mr. Schwenn stated there is an available 40 acres at Wells Ranch WTP where CRWA can add on to the plant. GBRA is going to get back with Mr. Schwenn on his idea. This project that GBRA is working on is called WaterSECURE.</li> </ul>
<b>8</b>	<p><b>Items for the next Board of Managers meeting or the Board of Trustees Meeting</b></p> <ul style="list-style-type: none"> <li>» Justin Ivicic requested the CRWA / Maxwell Wheeling Agreement be added</li> <li>» Jacob Parsons requested a timeline of the different projects</li> </ul>
<b>9</b>	<p><b>Announcements and Adjourn</b></p> <ul style="list-style-type: none"> <li>» Justin Ivicic adjourned the meeting at approximately 11:07 AM.</li> </ul>



Resolution of the Governing Body of

Martindale Special Utility District

Appointing to Canyon Regional Water Authority  
one member to the Board of Managers for a one-year term of office

ADOPTED 2/8/ 2024.

RESOLVED, that the Governing Body of the Martindale Special Utility District has appointed

STEVEN FONVILLE to serve as their representative to the Board of Managers  
of Canyon Regional Water Authority.

RESOLVED. FURTHER, that the above-named representative is authorized to represent, and act in  
behalf of, in the best interest of the above-named entity in the process of maintaining and conduction of  
business of the Canyon Regional Water Authority, and to cast its vote on all issues related to the Canyon  
Regional Water Authority.

\* \* \* \* \*

CERTIFICATE OF SECRETARY

I, Rae Jasey do hereby certify that I am the Secretary of the above named  
entity and that the above and foregoing is a true, full and correct copy of a resolution duly adopted by the  
Governing Body of the above named entity at its meeting held on FEBRUARY 8 2024,  
and entered into the Minutes of the above named entity, that the meeting was duly and regularly held in  
accordance with the Bylaws of and or laws governing the above named entity; and that such resolution  
has not been rescinded or modified.

To certify which, witness my hand and seal of said above named entity this day  
FEBRUARY 8 2024.

Rae Jasey  
Secretary

SEAL







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## Project Updates

**HC WTP Facility Improvements:**


- Phase 1 Bidding Status
  - Recommendation of Award was provided to CRWA and discussed at the Construction Committee Meeting on Jan 30, 2024 as well as February 27, 2024.

**HC WTP Membrane Replacement Project:**

- Continue design coordination with design subdisciplines and Pall.

**TWDB SWIFT Application:**

- Abridged application for 2024 SWIFT was submitted on 1/31/24. Scope includes membrane replacement and remainder from the current improvement project.
- Initial RFI from TWDB was received on 2/17/24 and responses were provided by Ardurra on 2/22/24.
- Full application is due later after projects are prioritized (summer 2024)



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## Project Updates

### TWDB DWSRF Application:

- Project Information Form (PIF) submitted on March 1, 2024.
- Two separate PIFs, one for HC WTP Expansion (Phase 2 +Membrane), and one for Pipeline.
- Rating and ranking process expected in March through May

### Wells Ranch WTP Improvements:

- Site visit conducted on February 29, 2024.
- Draft Scope of Work and Level of Effort fee estimate anticipated on March 8, 2024.



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# Canyon Regional Water Authority

## UEG Project Updates

March 1, 2024



1

## TxDOT/CRWA IH-10 (Santa Clara & Zuehl) Transmission Line Encasement Project Update

- ▶ Since the last project status report, the project pre-construction meeting was held on 2/27. The project Notice-to-Proceed has been issued for 2/29, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. The Contractor expects material deliveries to begin 3/5;
- ▶ The Contractor will start work at the Santa Clara intersection, installing the project split casing. Work at the Zuehl intersection will be dependent on the pipeline material delivery schedule and coordination with CRWA on timing of the tie-ins;
- ▶ The contract amount is currently \$541,424.21, which includes the original bid and approved Change Order's No. 1 and No. 2, all of which are fully reimbursable; and
- ▶ At this time, there are no current issues or associated risks with the project.



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## TxDOT/CRWA IH-10 (Santa Clara & Zuehl) Transmission Line Encasement Project Update



IH-10 & Santa Clara Road



IH-10 & Zuehl Road



3

## TxDOT/CRWA FM 1518 Transmission Line Project Update

- ▶ Since the last project status report, a second TxDOT field pre-construction meeting was held on 2/6. The project Notice-to-Proceed was issued for 2/13, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. Material deliveries started the week of 2/18 with construction anticipated to begin early March;
- ▶ The current construction contract amount is \$731,420.79. Proposed Change Order No. 1 has been provided to CRWA staff for review and includes the removal of the 30-inch gate valve from the project. The lead time for delivery of the valve is currently 36-38 weeks, which conflicts with TxDOT's relocation project schedule. Change Order No. 1 is a deduct change order in the amount of (\$106,537.24), lowering the contract value to \$624,883.55. The project is not fully reimbursable, based on the approved Standard Utility Agreement with TxDOT and proposed Change Order No. 1, approximately \$125,101.69 (20.02%) would be reimbursable; and
- ▶ At this time, there are no current issues or associated risks with the project.



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## TxDOT/CRWA FM 1518 Transmission Line Project Update



FM 1518 & Lower Seguin Road



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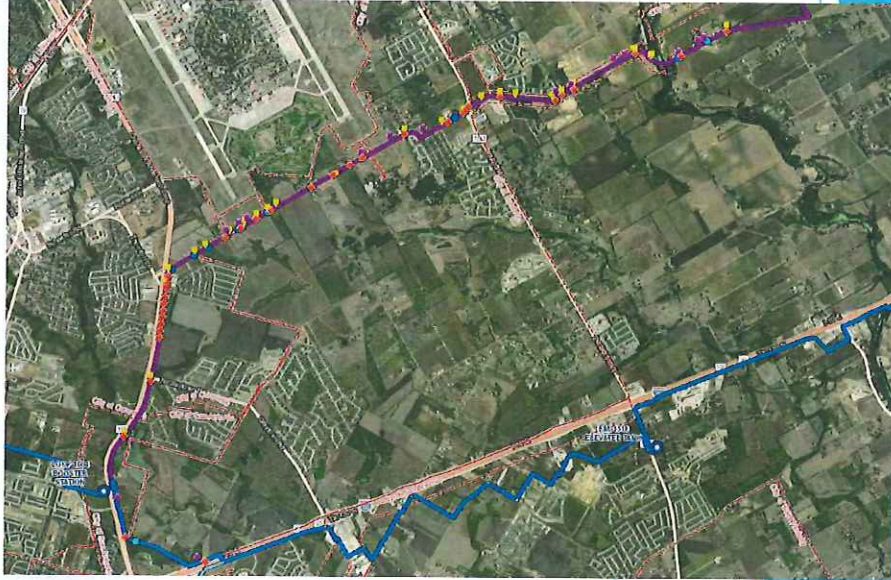
## GIS System - Phase 4

- ▶ Since the last project status report to CRWA, the GPS field verification data collection continues. As of the date of the preparation of this report, field verification data collection for portions of the Mid-Cities Transmission Main Phase IIb from IH-10 and Loop 1604 to Lower Seguin Road and Haeckerville Road have been completed;
- ▶ The project base scope of services is complete pending the additional Hays Caldwell transmission main system final as-built uploads. The initial field verification portion of the project is anticipated to be completed within 8-12 weeks following the kick-off meeting held on 1/9;
- ▶ Currently \$68,111.25 (59%) of the Phase 4 overall total budget (\$114,807.50) has been invoiced; and
- ▶ At this time, there are no current issues or associated risks with the project.



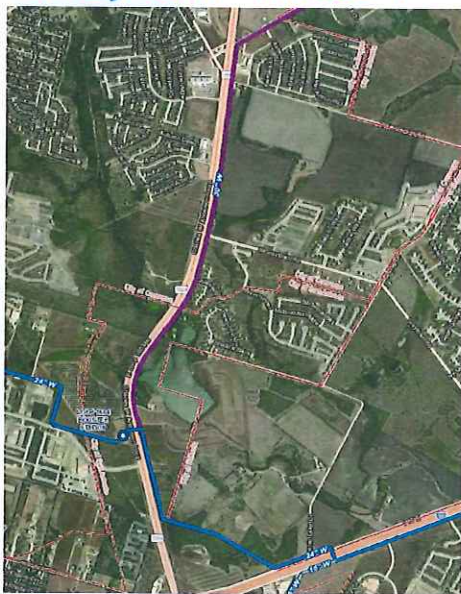
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## GIS System - Phase 4



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## GIS System - Phase 4



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## Water System Standards & Technical Specifications Development Update

- ▶ Since the last project status report to CRWA, UEG has revised the draft water system details based on CRWA comments. Additionally, UEG finalized work on the draft water system technical specifications, submitting the updated details and draft specifications to CRWA on 2/16;
- ▶ Currently \$19,057.50 (77%) of the total project budget (\$24,760) has been invoiced; and
- ▶ At this time, there are no current issues or associated risks with the project.



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## Questions

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CRWA Office



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