



CITY OF FAIR OAKS RANCH
BOND ADVISORY COMMITTEE

Wednesday, April 17, 2024 at 9:00 AM

Public Safety Training Room, Police Station, 7286 Dietz Elkhorn, Fair Oaks Ranch

AGENDA

OPEN MEETING

1. Roll Call - Declaration of a Quorum.

CITIZENS and GUEST FORUM

To address the Committee, please sign the Attendance Roster located on the table at the entrance of the Council Chambers. In accordance with the Open Meetings Act, the Bond Advisory Committee may not discuss or take action on any item which has not been posted on the agenda. Speakers shall limit their comments to three (3) minutes each.

2. Citizens to be heard.

CONSENT AGENDA

The following items are considered routine by the Bond Advisory Committee, there will be no separate discussion on these items and will be enacted with one motion. Items may be removed by any Committee Member by making such request prior to a motion and vote.

3. Approval of the January 3, 2024 Regular Bond Advisory Committee meeting minutes.

Amanda Valdez, TRMC, Deputy City Secretary

4. Approval of the April 3, 2024 Regular Bond Advisory Committee meeting minutes.

Amanda Valdez, TRMC, Deputy City Secretary

CONSIDERATION / DISCUSSION ITEMS

5. Recap of the April 3, 2024 Bond Advisory Committee meeting.

Summer Fleming, Director of Finance

6. Updated Funding Schedule.

Summer Fleming, Director of Finance

7. Introduction of Water Projects.

Grant Watanabe, P.E., Director of Public Works & Engineering Services

FUTURE MEETINGS

8. Consideration and possible action to schedule future meeting dates.

Amanda Valdez, TRMC, Deputy City Secretary

ADJOURNMENT

Requests for City topic needing additional information/research; or, potential consideration for a future agenda

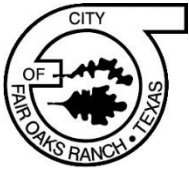
Signature of Agenda Approval: s/Scott Huizenga

Scott Huizenga, City Manager

I, Amanda Valdez, TRMC, Deputy City Secretary, certify that the above Notice of Meeting was posted on the outside bulletin board at the Fair Oaks Ranch City Hall, 7286 Dietz Elkhorn, Fair Oaks Ranch, Texas, and on the City's website www.fairoaksranchtx.org, both places being convenient and readily accessible to the general public at all times.

As per Texas Government Code 551.045, said Notice was posted by 9:00 AM, April 14, 2024 and remained so posted continuously for at least 72 hours before said meeting was convened. A quorum of City Council, various boards, committees, and commissions may attend the City Council meeting.

The Fair Oaks Ranch Police Station is wheelchair accessible at the front main entrance of the building from the parking lot. Requests for special services must be received forty-eight (48) hours prior to the meeting time by calling the City Secretary's office at (210) 698-0900. Braille is not available.



**CITY OF FAIR OAKS RANCH
BOND ADVISORY COMMITTEE**

Wednesday, January 03, 2024 at 6:30 PM
Public Safety Training Room, Police Station, 7286 Dietz Elkhorn, Fair Oaks Ranch

MINUTES

OPEN MEETING

1. Roll Call - Declaration of a Quorum.

Present: Chairman Seth Mitchell, Vice Chairman Marcus Garcia, and Committee Members: Joe DeCola, John Guidry, Paul Mebane, and Jamin Kazarian

Absent: Dana Green, Ben Koerner, and Chris Weigand.

Council Liaison, Emily Stroup, was also in attendance.

With a quorum present, the meeting was called to order at 6:31 PM

CITIZENS and GUEST FORUM

2. Citizens to be heard - None

CONSENT AGENDA

3. **Approval of the December 13, 2023 Regular Bond Advisory Committee meeting minutes.**

MOTION: Made by Marcus Garcia, seconded by Paul Mebane, to approve the Consent Agenda.

VOTE: 6-0, Motion Passed.

PRESENTATIONS

4. **Meeting recap with updated schedules.**

Summer Fleming, Director of Finance, provided a recap from the December 13, 2024 Committee meeting and provided an updated funding schedule that included all recommendations from the Committee, including lower interest rates, and an updated debt proposal.

CONSIDERATION / DISCUSSION ITEMS

5. **Discussion, consideration, and appropriate action related to final approval for submission to city council the committee’s report, “Bond Advisory Committee Recommendations Related to Capital Improvement Projects Funded Through the General Fund”. In this item, the committee will review all subsections of the report to consider and adopt agreed upon additions, deletions and other edits.**

By consensus, the Committee accepted the report as edited on the screen, with updated sections to be provided, for presentation to the City Council.

FUTURE MEETINGS

6. Consideration and possible action to schedule and select topics for future committee meetings related to Water/Wastewater Utility capital improvement projects.

The committee provided direction to staff to bring back a presentation of additional information on the remaining projects for the Committee to continue their work at a meeting on January 31, 2024 at 6:30 PM. Future meetings will be scheduled at a later time.

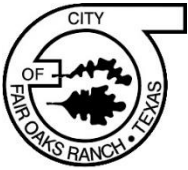
ADJOURNMENT

Committee Chairman, Seth Mitchell, adjourned the meeting at 9:05 PM.

ATTEST:

Seth Mitchell, Chairperson

Amanda Valdez, TRMC
Deputy City Secretary



**CITY OF FAIR OAKS RANCH
BOND ADVISORY COMMITTEE**

Wednesday, April 03, 2024 at 6:00 PM
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MINUTES

OPEN MEETING

1. Roll Call - Declaration of a Quorum.

Present: Chairman Seth Mitchell, Vice Chairman Marcus Garcia, and Committee Members: John Guidry, Paul Mebane, and Jamin Kazarian

Absent: Joe DeCola, Dana Green, Ben Koerner, and Chris Weigand.

Council Liaison, Emily Stroup, was also in attendance.

With a quorum present, the meeting was called to order at 6:02 PM

CITIZENS and GUEST FORUM

2. Citizens to be heard – None.

CONSIDERATION / DISCUSSION ITEMS

3. Town Hall Meeting Update.

Scott Huizenga, ICMA-CM, City Manager, informed the Committee that a Town Hall meeting scheduled for Tuesday, April 9, 2024 at 6:30 PM, would have a station for the Bond Advisory Committee. Mr. Huizenga asked the Committee members to participate in the Town Hall and answer questions of the attendees. Several members said they would be present. Joanna Merrill, Director of Human Resources and Communications, passed out draft handouts being prepared for the BAC table at the meeting.

4. Capital Improvements Plan Overview.

Summer Fleming, Director of Finance, provided to the Committee an overview of the Capital Improvements Plan inclusive of answering questions.

5. Introduction of Wastewater Projects.

Grant Watanabe, P.E., Director of Public Works & Engineering Services, introduced the City's Wastewater projects and answered questions of the committee members.

FUTURE MEETINGS

6. Consideration and possible action to schedule future meeting dates.

The Bond Advisory Committee, by consensus, scheduled an additional meeting for May 29, 2024 at 9:00 AM to be held at the Spring Creek United Methodist Church.

ADJOURNMENT

Committee Chairman, Seth Mitchell, adjourned the meeting at 7:46 PM.

ATTEST:

Seth Mitchell
Committee Chairperson

Amanda Valdez, TRMC
Deputy City Secretary



Bond Advisory Committee April 3, 2024 Meeting Recap



Town Hall Meeting Update

- Reviewed material that will be distributed at the Town Hall
- Discussed logistics of the Town Hall and which committee members will be present



Capital Improvement Plans Overview

- Discussed CIP assumptions
 - Combination of cash and debt
 - Terms of debt
 - Inflation – cumulative 4% annually
 - Timing of projects
- Discussed funding mechanisms available to the Utility
- Presented Water and Wastewater 5-Year CIP schedules
- Presented estimated capital and debt fee impact if all projects are approved
- Introduced schedule of “Other” projects not on original CIP



Wastewater Projects

**Approved 5-year CIP
includes 5 projects
(\$7 million)**

- **Wastewater Treatment Plant Phase 1 Expansion (2S)**
- **Install sewer line and decommission Falls Lift Station (1S)**
- **Improvements at School Lift Station (8R)**
- **Improvements at Deer Meadows Lift Station No.1 (10R)**
- **Improvements at Deer Meadows Lift Station No.2 (9R)**

**Other projects for
consideration
(\$1 million)**

- **Cojak Circle manhole and sewer upgrade**



Wastewater Projects Recommendation

- Remove the following projects from consideration:
 - Improvements at School Lift Station (1S) - \$303,470
 - Improvements at Deer Meadow Lift Station No.1 (10R) - \$179,487
 - Improvements at Deer Meadow Lift Station No.2 (9R) - \$179,487
- Include Cojak Circle manhole and sewer upgrade into funding schedule – \$650,000*

*Project cost was estimated at \$1 million as presented at last meeting, but has been reduced to \$650,000



Follow-up Items

- What are potential cost savings of decommissioning the Falls Lift Station?
- What other options for the Falls Lift Station were considered?

		2023	2024	2025	2026	2027	2028	2029	Total
RELIABLE AND SUSTAINABLE INFRASTRUCTURE - WATER									
3.1.5	Willow Wind Drive/Red Bud Hill Water Line (29R)	35,836	34,869	879,807	-	-	-	-	950,512
3.1.6	Elevated Storage Tank (2W)	335,117	161,833	603,933	3,763,968	3,914,527	-	-	8,779,378
3.1.10	Rolling Acres Trail Water Line Rehabilitation (28R)	30,011	36,783	610,941	-	-	-	-	677,735
3.1.11	Expand Plant No. 5 (impact fee) (5W)	5,856	223,643	1,320,800	-	-	-	-	1,550,299
3.1.24	Old Fredericksburg Waterline (21W)	25,857	266,063	270,400	-	-	-	-	562,320
3.1.3a	Upgrade Elmo Davis Pump Station (1R, 2R)	-	-	400,400	-	-	-	-	400,400
3.1.13	Upgrade Electrical at Plant No. 3 Pump Station (5R)	-	-	74,419	318,519	-	-	-	392,939
3.1.3b	Upgrade Electrical at Elmo Davis Pump Station (3R)	-	-	70,348	320,530	91,743	-	-	482,620
3.1.25	Well K6 Electrical (11R)	-	-	60,000	-	-	-	-	60,000
3.1.26	Well CR1 Electrical (16R)	-	-	60,000	-	-	-	-	60,000
3.1.12	Expand Elmo Davis Water Plant Zone C (impact Fee) (6W)	-	-	-	193,240	1,094,715	300,408	-	1,588,363
NEW	SAWS Emergency Interconnect	-	-	200,000	-	-	-	-	200,000
NEW	Ground Storage Tank at Plant No. 4	-	-	400,000	-	-	-	-	400,000
Water Total		432,677	723,191	4,951,047	4,596,257	5,100,985	300,408	-	16,104,566
RELIABLE AND SUSTAINABLE INFRASTRUCTURE - WASTEWATER									
3.2.11	Wastewater Treatment Plant Phase 1 Expansion (2S)	293,996	917,253	1,714,987	2,737,530	-	-	-	5,663,766
3.2.3	Install Sewer Line and Decommission Falls Lift Station (1S)	-	-	-	113,521	811,763	-	-	925,284
NEW	Cojak Circle Manhole and Sewer Upgrade	-	-	-	650,000	-	-	-	650,000
Wastewater Total		293,996	917,253	1,714,987	3,501,051	811,763	-	-	7,239,050
Total Needed to Fund Projects		726,673	1,640,444	6,666,034	8,097,308	5,912,748	300,408	-	23,343,615
Potential Water Cash Funding - Capital Fees		432,677	723,191	138,454	193,240	91,743	300,408	-	1,879,713
Potential Wastewater Cash Funding - Capital Fees		293,996	917,253	107,626	113,521	179,487	-	-	1,611,883
Water Debt Funding		-	-	4,812,593	4,403,017	5,009,242	-	-	14,224,853
Wastewater Debt Funding		-	-	1,607,361	3,387,530	632,276	-	-	5,627,167

		2023	2024	2025	2026	2027	2028	2029
Water Connections		3,197	3,213	3,229	3,245	3,261	3,278	3,294
Combined Water Debt & Capital Fees		14.15	14.69	31.76	32.98	30.27	35.42	27.71
Wastewater Connections		1,977	1,989	1,999	2,009	2,019	2,029	2,039
Combined Wastewater Debt & Capital Fees		6.41	6.77	6.74	23.76	26.25	18.79	18.44

City of Fair Oaks Ranch, Texas
Water and Sewer Fund Proforma
April 8, 2024

FYE (9/30)	# of Water Connections (1)	# of Wastewater Connections (1)	Existing Debt					Rate Increase Calculations (4)								
			Revenues (2)	Expenditures (2)	Available for Debt Service	Service	Series 2024 (3)	Series 2025 (3)	Series 2027 (3)	Total	Revenue Surplus/ (Deficit)	Monthly Water Increase Required	Total Wastewater Debt Service	Monthly Wastewater Increase Required		
						Total Debt Service	\$4,815,000	\$9,395,000	\$5,645,000	\$19,855,000					Total Water Debt Service	
2023	3197	1977	\$ 6,523,840	\$ 5,216,551	\$ 1,307,289	\$ 339,746					\$ 339,746	\$ 285,386	\$ 967,544	\$ -	\$ 54,359	\$ -
2024	3213	1989	6,523,840	5,216,551	1,307,289	336,514					336,514	282,671	970,776	(0.07)	53,842	(0.02)
2025	3229	1999	6,523,840	5,216,551	1,307,289	338,256	\$ 808,063				1,146,319	1,092,198	160,970	20.82	54,121	(0.01)
2026	3245	2009	6,523,840	5,216,551	1,307,289	334,974	448,488	\$ 767,125			1,550,586	1,091,240	(243,297)	20.69	459,346	16.80
2027	3261	2019	6,523,840	5,216,551	1,307,289	336,666	451,225	761,625			1,549,516	1,093,024	(242,227)	20.64	456,492	16.60
2028	3278	2029	6,523,840	5,216,551	1,307,289	338,308	199,138	555,750	\$ 457,031		1,550,227	1,092,785	(242,938)	20.53	457,442	16.56
2029	3294	2039	6,523,840	5,216,551	1,307,289	160,808	197,563	730,125	458,106		1,546,602	1,095,360	(239,313)	20.49	451,242	16.22
2030	3294	2039	6,523,840	5,216,551	1,307,289	-	327,950	758,750	453,788		1,540,488	1,089,400	(233,199)	20.34	451,088	16.21
2031	3294	2039	6,523,840	5,216,551	1,307,289	-	330,075	760,750	454,075		1,544,900	1,094,363	(237,611)	20.47	450,538	16.19
2032	3294	2039	6,523,840	5,216,551	1,307,289	-	331,750	761,750	458,706		1,552,206	1,097,850	(244,917)	20.55	454,356	16.35
2033	3294	2039	6,523,840	5,216,551	1,307,289	-	328,088	756,875	457,681		1,542,644	1,090,100	(235,355)	20.36	452,544	16.27
2034	3294	2039	6,523,840	5,216,551	1,307,289	-	329,088	756,125	456,131		1,541,344	1,091,113	(234,055)	20.38	450,231	16.18
2035	3294	2039	6,523,840	5,216,551	1,307,289	-	329,638	754,375	454,056		1,538,069	1,090,650	(230,780)	20.37	447,419	16.06
2036	3294	2039	6,523,840	5,216,551	1,307,289	-	329,738	761,375	456,325		1,547,438	1,093,588	(240,149)	20.45	453,850	16.33
2037	3294	2039	6,523,840	5,216,551	1,307,289	-	329,388	757,125	457,806		1,544,319	1,094,794	(237,030)	20.48	449,525	16.15
2038	3294	2039	6,523,840	5,216,551	1,307,289	-	328,588	756,750	453,631		1,538,969	1,089,394	(231,680)	20.34	449,575	16.15
2039	3294	2039	6,523,840	5,216,551	1,307,289	-	332,225	760,000	458,669		1,550,894	1,097,150	(243,605)	20.54	453,744	16.32
2040	3294	2039	6,523,840	5,216,551	1,307,289	-	330,300	756,875	457,788		1,544,963	1,097,806	(237,674)	20.55	447,156	16.05
2041	3294	2039	6,523,840	5,216,551	1,307,289	-	327,925	757,375	451,250		1,536,550	1,086,731	(229,261)	20.27	449,819	16.16
2042	3294	2039	6,523,840	5,216,551	1,307,289	-	329,988	756,375	453,925		1,540,288	1,088,813	(232,999)	20.33	451,475	16.23
2043	3294	2039	6,523,840	5,216,551	1,307,289	-	331,375	753,875	455,550		1,540,800	1,093,550	(233,511)	20.45	447,250	16.06
2044	3294	2039	6,523,840	5,216,551	1,307,289	-	327,200	759,625	451,256		1,538,081	1,090,931	(230,792)	20.38	447,150	16.05
2045	3294	2039	6,523,840	5,216,551	1,307,289	-	-	758,500	455,913		1,214,413	763,494	92,877	12.10	450,919	16.21
2046	3294	2039	6,523,840	5,216,551	1,307,289	-	-	-	454,388		454,388	405,581	852,902	3.04	48,806	(0.23)
2047	3294	2039	6,523,840	5,216,551	1,307,289	-	-	-	456,681		456,681	405,369	850,608	3.04	51,313	(0.12)
Total							\$ 2,185,271	\$ 7,047,788	\$ 14,941,125	\$ 9,112,756	\$ 33,286,940	\$ 23,993,340			\$ 9,293,600	

(1) Provided by the City.

(2) Based on FYE 2023 audited results. Revenues include Interest Income and exclude Grant Income. Expenditures exclude depreciation and debt service.

(3) Preliminary, subject to change. Interest calculated to be 4.50% for Series 2024, 5.00% for Series 2025 and 5.25% for Series 2027 for illustrative purposes only.

(4) Maximum projected shortfall would require a \$20.82 and \$16.80 per connection per month increase for water and wastewater services, respectively, to support financed projects. Calculated by subtracting FYE2023 debt service payment from total debt service payment in future years and dividing by the number of customers in that year and then by 12 months.



Item #7.

Water CIP Workshop

April 17, 2024

Grant Watanabe, P.E.

Director of Public Works and Engineering Services



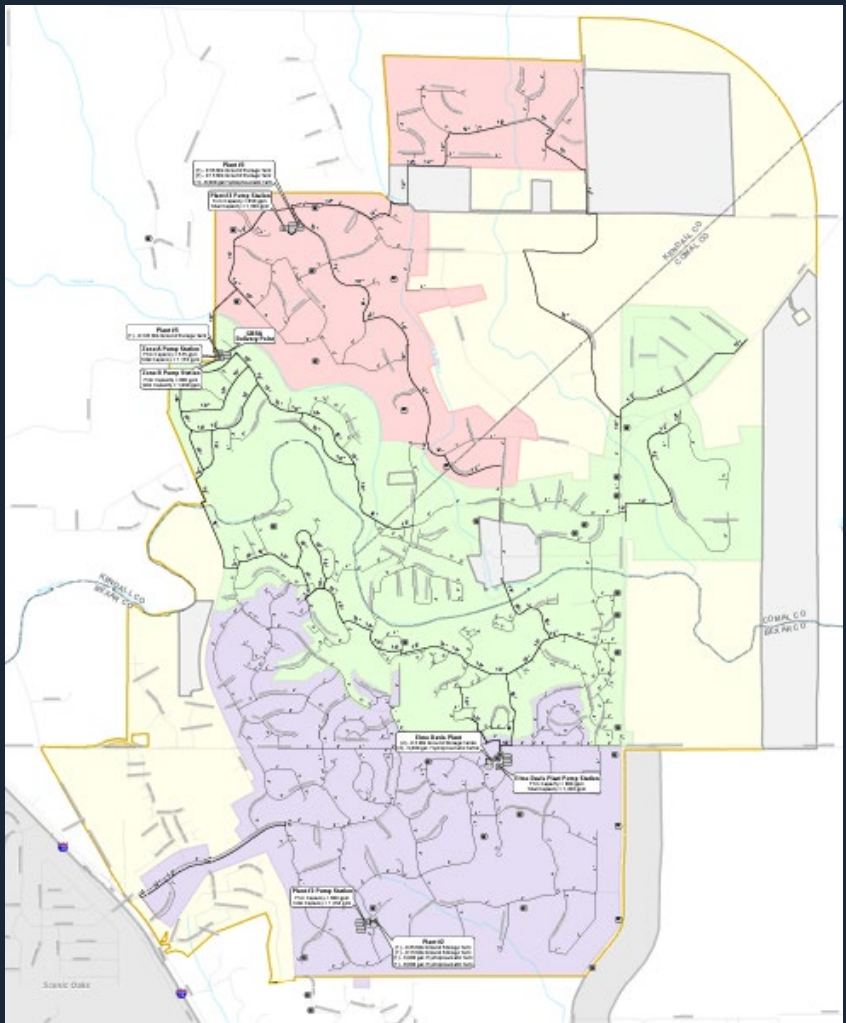
Agenda

- Overview
- Projects Completed
- Approved 5-year Water CIP
 - Willow Wind/Red Bud Hill/Rolling Acres Trail Water Line
 - Elevated Storage Tank
 - Expand Plant No. 5
 - Old Fredericksburg Water Line
 - Elmo Davis GST #1 & #2 Rehab
 - Upgrade Electrical at Plant No. 3
 - 4 other smaller projects
- Other Projects for Consideration
 - SAWS Emergency Interconnect
 - Plant 4 Ground Storage Tank
- Discussion



Overview

- Much of the City's water infrastructure was originally built in the 1970s. It now includes:
 - 3 pressure zones
 - 5 water plants
 - 29 potable water wells
 - 10 irrigation wells
 - 85 miles of water mains
- Currently serves 3,237 water customers





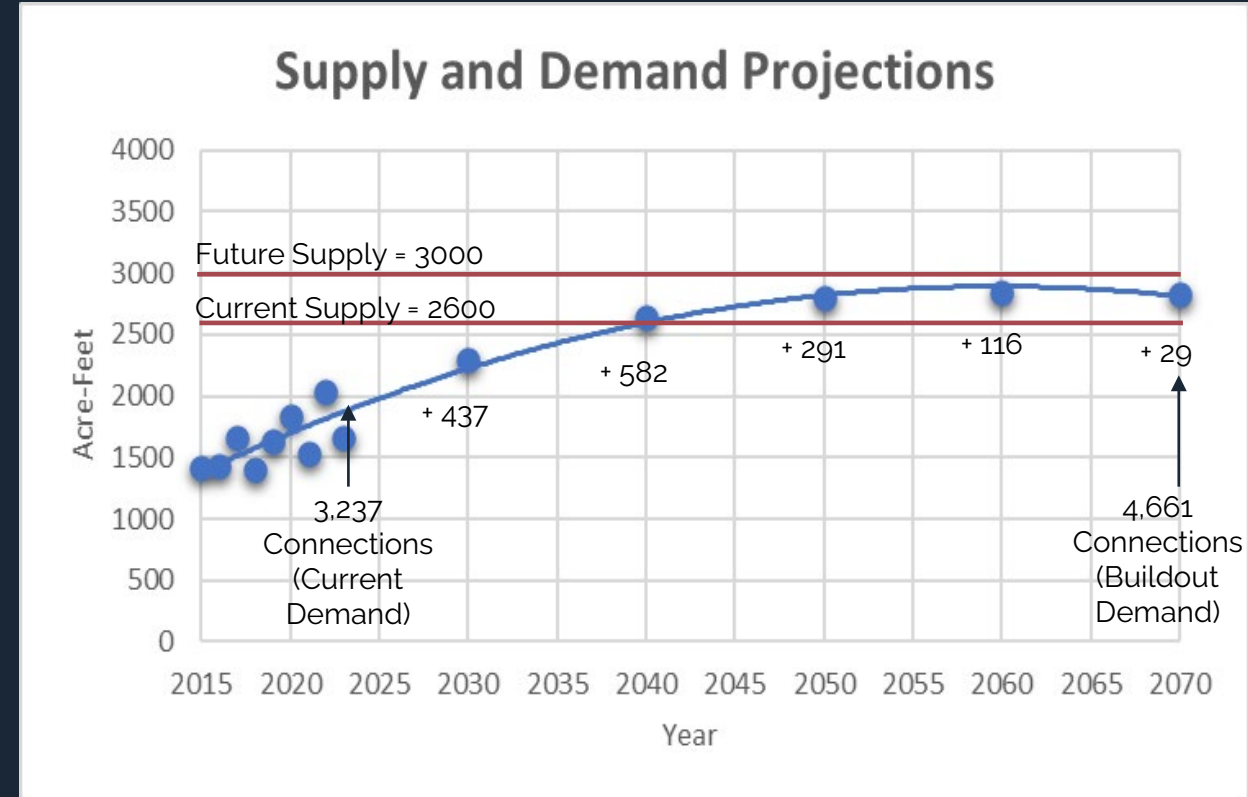
Overview

Current Supply Sources (2,600 acre-ft)

- City-owned wells
 - Annual Production: 400-900 acre-ft
 - Firm Capacity: 750 acre-ft
- GBRA
 - Current Purchase: 1344 acre-ft
 - Contract Reservation: 1850 acre-ft

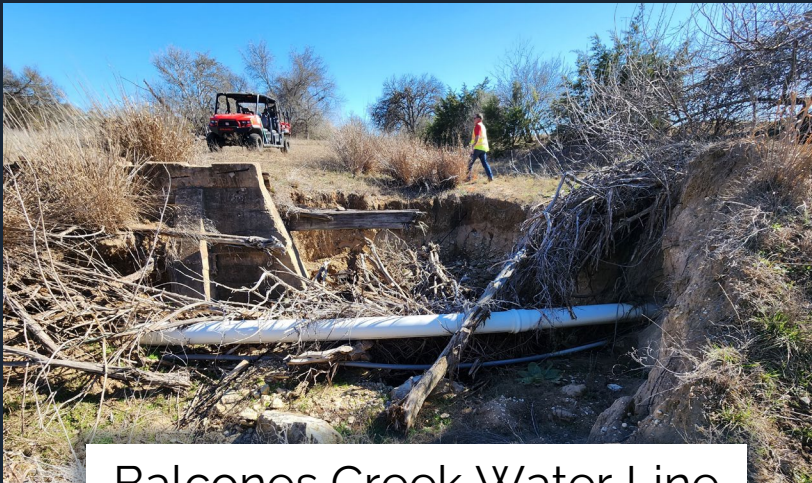
Future Supply Needed (~400 acre-ft)

- GBRA
 - Available in 2038 timeframe
- SAWS
 - Wholesale service agreement subject to SAWS Board approval





Projects Completed



Balcones Creek Water Line Relocation



Plant No. 2 9000 Gallon Hydropneumatic tank





Approved 5-Year Water CIP

	2023	2024	2025	2026	2027	2028	Total
Willow Wind/Red Bud Hill Water Line (29R)	\$35,836	\$34,869	\$879,807	-	-	-	\$950,512
Elevated Storage Tank (2W)	335,117	161,833	603,933	3,763,968	3,914,527	-	8,779,378
Rolling Acres Trail Water Line Rehab (28R)	30,011	36,783	610,941	-	-	-	677,735
Expand Plant No. 5 (Impact Fee) (5W)	5,856	223,643	1,320,800	-	-	-	1,550,299
Old Fredericksburg Water Line (21W)	25,857	266,063	270,400	-	-	-	562,320
Upgrade Elmo Davis Pump Station (1R, 2R)	-	-	400,400	-	-	-	400,400
Upgrade Electrical at Plant No.3 Pump Station (5R)	-	-	74,419	318,519	-	-	392,939
Upgrade Electrical at Elmo Davis Pump Station (3R)	-	-	70,348	320,530	91,743	-	482,620
Well K6 Electrical (11R)	-	-	60,000	-	-	-	60,000
Well CR1 Electrical (16R)	-	-	60,000	-	-	-	60,000
Expand Elmo Davis Water Plant Zone C (Impact Fee) (6W)	-	-	-	193,240	1,094,715	300,408	1,588,363
Total Water	\$432,677	\$723,191	\$4,351,047	\$4,596,257	\$5,100,985	\$300,408	\$15,504,566

Cash Funded

Requires Debt Funding



Past Ranking/Scoring Schemes

“Must Do” Projects

- Regulatory driven
- System resiliency significantly improved based on current operations
- Improvements to infrastructure with known high O&M costs

“Should Do” Projects

- Added system resiliency
- Reduction in O&M costs
- Potential for regulatory deficiencies

“Nice to Do” Projects

- Minor O&M corrections
- Minor system resiliency improvements
- Growth related projects

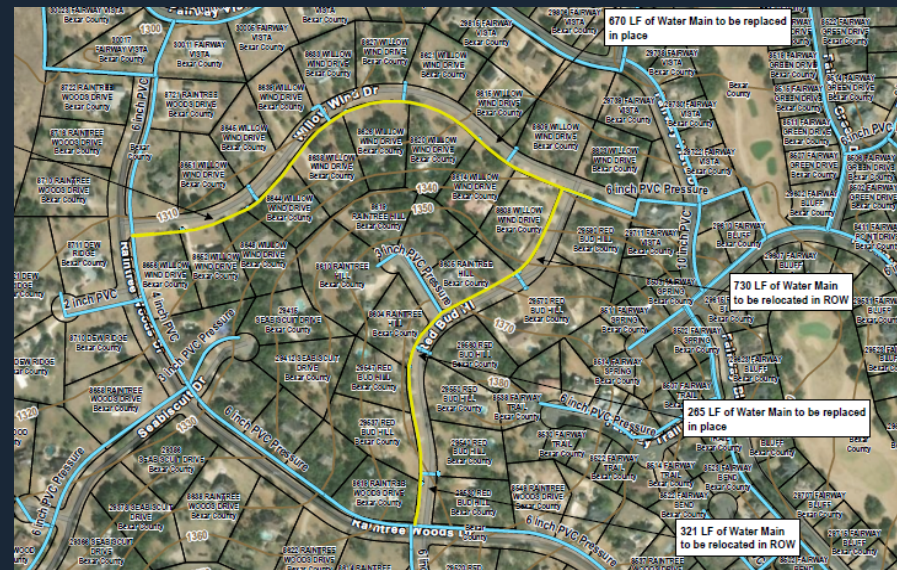
Criteria	Weight	Maximum Score	Weighted Score
Regulatory Driver	3	5	15
Contractual Agreement	2	5	10
Health and Safety Impact	3	5	15
Operating and Maintenance Cost	2	5	10
Resiliency	2	5	10
Growth and Development	1	5	5
City Priority	1	5	5
Total Score Possible			70



Willow Wind/Red Bud Hill Water Line Replacement (29R) Rolling Acres Trail Water Line Replacement (28R)

- Project replaces approximately 3,300 feet of waterline on Willow Wind Drive/Red Bud Hill and approximately 2,300 feet of waterline on Rolling Acres Trail.
- Main breaks (3-4 per year) are becoming more frequent
- Reduces O&M costs, service disruption to customers, and water loss
- **Total Estimated Cost = \$1,628,247**

Prioritization Score: 48
 "Must Do" Project (Resiliency, high O&M costs)

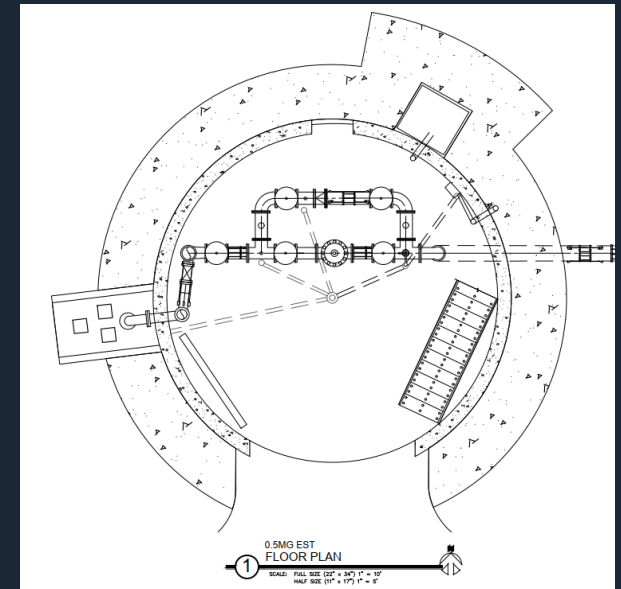
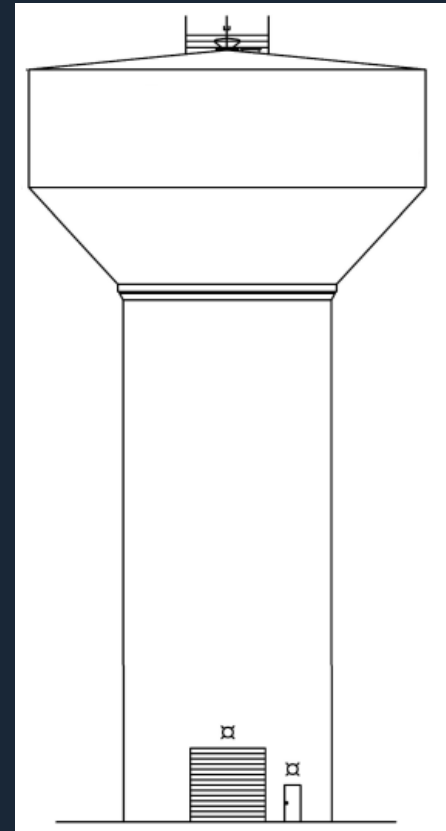


Elevated Storage Tank (2W)



- Constructs a 500,000 gallon EST to improve water supply and pressure during peak demand, provide adequate fire protection, and reserve storage during extended power outage
- Large parts of the City fall below the NFPA minimum requirement to combat a house fire (1000 gallons per minute for 1 hour).
- In 2017, TCEQ cited the City for exceeding Zone A & C hydrotank capacity. The City responded that it plans to construct an EST to serve Zone A.
- **Total Estimated Cost = \$8,779,378**

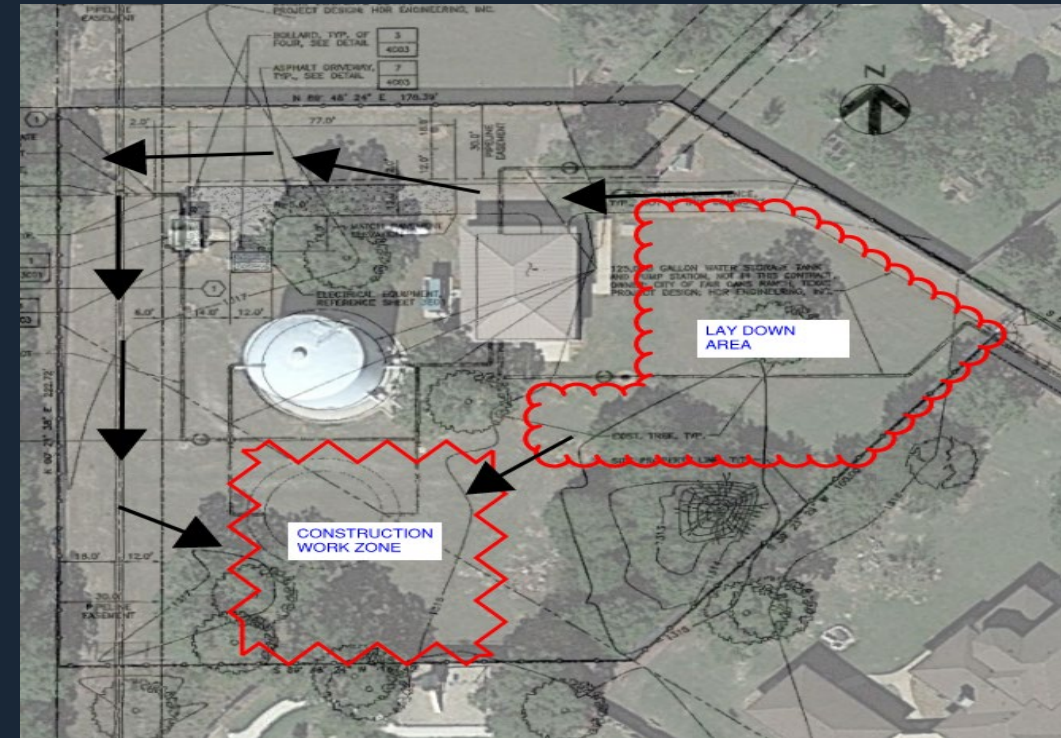
Prioritization Score: 33
"Must Do" Project (Resiliency, Regulatory)



Expand Plant No. 5 (5W)



- Constructs a new 500,000 gallon Ground Storage Tank (GST) at Plant 5 to improve utility operations and resiliency during periods of high demand and extended power outages.
- The existing 125,000 gallon tank turns over multiple times a day. It is not capable of meeting peak demand each summer.
- Plant 5 supplies GBRA water directly to Plant 3 (Zone A) and Plant 1 (Zones B and C). The GST storage will enable utility staff to pump water to where it is needed most.
- **Total Estimated Cost = \$1,550,299**



Prioritization Score: 34

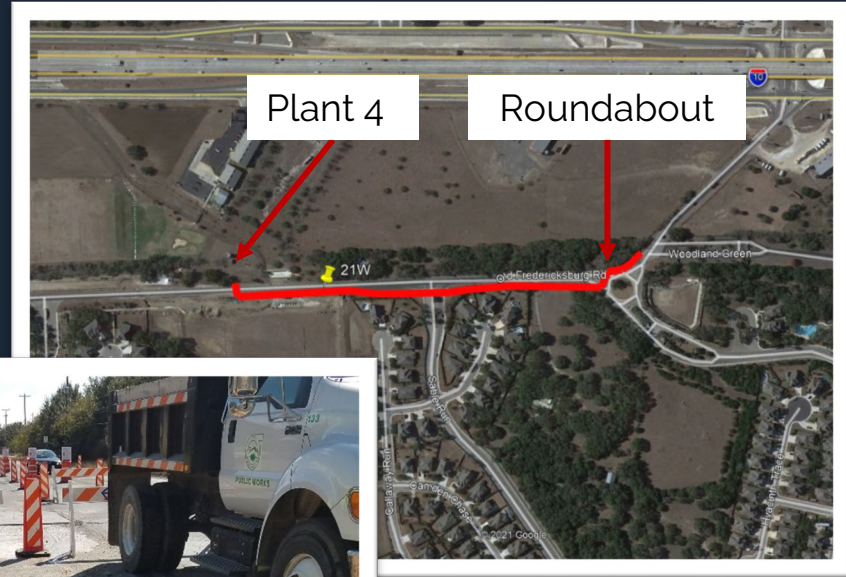
“Must Do” Project (Resiliency, Regulatory)



Old Fredericksburg Water Line Replacement (21W)

- Project replaces approximately 2700 linear feet of water main along and under Old Fredericksburg Rd.
- Main breaks (2 per year) are becoming more frequent and expensive due to traffic control requirements.
- Planned in conjunction with Bexar County road reconstruction project to gain efficiencies and reduce closure impact.
- **Total Estimated Cost = \$562,320**

Prioritization Score: 26
 "Should Do" Project (Reduced O&M, City Priority)



Elmo Davis GST #1 & #2 Rehab (1R, 2R)



- Elmo Davis GSTs were last coated in 2004 and 2010. Due to the harsh Texas climate, tanks are normally coated every 10 years (exterior) and 15 years (interior) to prevent deterioration.
- As an alternative to CIP projects, staff recommends a long-term tank maintenance plan since all GSTs require regular inspection, cleaning, recoating and rehab to meet TCEQ requirements.
- **Total Estimated Cost = \$400,400**

Prioritization Score: 33

“Should Do” Project (Reduced O&M, Regulatory)





Upgrade Electrical at Plant No. 3 (5R)

- Project installs Variable Frequency Drives (VFDs), modern electrical panels and other components to reduce wear and tear on equipment (motors, pumps, check valves, etc.) and improve utility operations.
- Plant 3 is the only major plant without VFDs.
- Existing electrical equipment is beyond its expected service life and requires replacement.
- **Total Estimated Cost = \$392,939**

Prioritization Score: 24

“Should Do” Project (Resiliency, Reduced O&M)



Upgrade Electrical Elmo Davis Pump Station (3R) Expand Elmo Davis Zone C (6W)



- Project installs a VFD, electrical panel and other components for Pump 3 (backup) at the Elmo Davis Pump Station. Upgrades for Pumps 1 and 2 have already been completed.
- Recent pump upgrades at Plant No. 2 and planned upgrades at Plant No. 4 (both serve Zone C) have alleviated the need for Elmo Davis Zone C expansion at this time.
- **Total Estimated Cost = \$2,070,983**



Prioritization Score: 20 (3R) / 34 (6W)

“Nice To Do” Project (Minor Resiliency Improvement)

Well K6 Electrical (11R) Well CR1 Electrical (16R)



- Project replaces electrical service head, panels, conductors and associated components. Existing equipment is beyond expected service life.
- As an alternative to debt financing, staff recommends addressing these repairs as part of the regular budget process (i.e. cash funding).
- **Total Estimated Cost = \$60,000 each**

Prioritization Score: 20 (11R), 16 (16R)

“Nice To Do” Project (Minor Resiliency Improvement)



Other Projects for Consideration



Other Water Projects	2023	2024	2025	2026	2027	2028	Total
SAWS Emergency Interconnect	-	-	\$200,000	-	-	-	\$200,000
Ground Storage Tank at Plant No. 4	-	-	400,000	-	-	-	400,000
Total Other Water	-	-	\$600,000	-	-	-	\$600,000



SAWS Emergency Interconnect

- Project constructs an emergency interconnect with SAWS to provide a backup water source for Zone C
- Improves resiliency in the event of extended power outage or other event where FORU is unable to provide adequate flow or pressure
- Planned location is near intersection of Fair Oaks Parkway and IH-10 Access Rd.
- **Total Estimated Cost = \$200,000**

Prioritization Score: New project
"Must Do" Project [Resiliency, Regulatory (SB3)]



Plant No. 4 Ground Storage Tank



- Project constructs a new 50-60,000 gallon tank to replace existing tank in poor condition (nearly 40 years old)
- Existing tank is undersized causing wells to frequently cycle on/off
- Increased storage capacity and standby generator (currently in construction) will improve resiliency and take advantage of high-producing wells
- **Total Estimated Cost = \$400,000**

Prioritization Score: New project
"Should Do" Project (Resiliency, Potential Regulatory Deficiencies)





Discussion

- Do you agree with the proposed projects?
 - Are there any projects to add or remove?
 - Is the timing logical?
 - Are the cost estimates reasonable?
 - Do you need additional info or analysis?
-
- Are you comfortable recommending these projects be included in the upcoming 2024 bond program?